TRI-BAND GPRS Series
SGH-p735
Portable Digital Telephone
User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Your Phone

The following section contains the following information:

- Unpacking
- Phone layout
- Display
- Service Light
- Camera

Unpacking

Your package contains the following items:

Handset

Travel Charger

Battery

Stereo Headset

User's Manuals

Multimedia Card Cover

Multimedia Card*
(RS-MMC with extender)

***** Use only service provider compatibility approved Multimedia Cards with your handset.

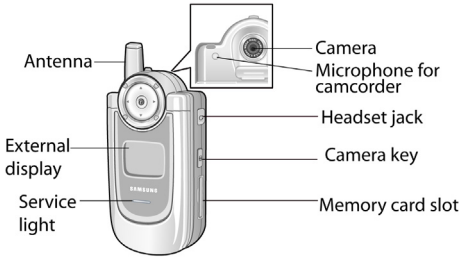
Note: The items supplied with your phone may be different, depending on your country or service provider.

You can obtain the following accessories for your phone from your local Samsung dealer:

Standard battery	Extended battery
Simple hands-free car kit	Car power charger
Cigarette light adapter	Data kit
Multimedia card	Stereo headset

Phone Layout

The following illustrations show the main elements of your phone:



Key(s)	**Description**
(soft keys)	Performs the functions indicated by the screen text above them, on the bottom line of the display.
	In Menu mode, scrolls through the menu options and Phonebook. In Idle mode, allows you to access your favorite menu options directly. For further details about shortcuts, see page 128.
	When entering text, moves the cursor to the left or right, depending on which side you push. In Idle mode, allows you to access your favorite menu options directly. For further details about shortcuts, see page 128.
	In Idle mode, launches the WAP (Wireless Application Protocol) browser. In Menu mode, selects the highlighted main menu.

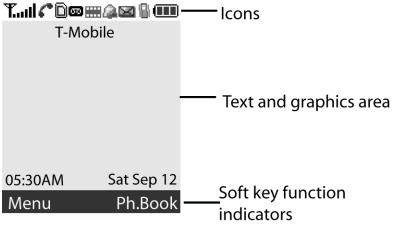
Key(s)	**Description** (Continued)
	Deletes characters from the display. In Menu mode, returns you to the previous menu level.
	Makes or answers a call. In Idle mode, recalls the most recent number dialed or received when held down.
	Ends a call. Also switches the phone on and off when held down. In Menu mode, cancels your input and returns to Idle mode.
	In Idle mode, accesses your voice mail when held down.
	Enters numbers, letters, and some special characters.
	Enters special characters. Performs various functions.
	In Idle mode, accesses the **Camera** menu to allow you to use the camera application. Turns the camera on when held down. In Capture mode, takes a photo.

Key(s)	**Description** (Continued)
	(on the left side of the phone) During a call, adjust the earpiece volume. In Idle mode, with the phone open, adjusts the keypad tone volume. With the phone closed, turns the external display on when held down. In Menu mode, scroll through menu options.
	(on the right side of the phone) When the phone is reversed, allows you to take a photo.

Display

Display Layout

The display has three areas:



Area	**Description**
First line	Displays various icons. See page 18.

Area	Description
Middle lines	Displays messages, instructions, and any information that you enter, such as the number you are dialing.
Last line	Shows the current functions assigned to the two soft keys.

Icons

Icon	Description
	Shows the received signal strength. The greater the number of bars, the stronger the signal.
	Appears when a call is in progress.
	Appears when you are out of your service area. When it displays, you cannot make or receive a call.
	Appears when the Call Forwarding feature is activated.
	Appears when a new message has been received. This icon will display for SMS and voice mail depending on SIM card and your home network. This icon will flash when your SIM card is full, messages are then saved to the Phone.
	Appears when a new voice mail message has been received.
	Appears when a new multimedia message has been received. This icon will flash when the phone memory is full and can no longer send or receive MMS messages.
	Appears when a memory card is inserted into the phone.
	Appears when you set an alarm to ring at a specified time.

Icon	Description (Continued)
	Appears when Silent mode is active or you set the phone to vibrate when you receive a call. You can set this option in the **Alert type** menu (**Menu 9.4.3**). For further details, see page 32 and page 131 respectively.
	Appears when the IrDA port is active. For details, see page 127.
	Appears when Mute mode is active.
	Shows the level of your battery. The more bars you see, the more power you have remaining.

Backlight

The backlight illuminates the display and the keypad. When you press any key or open the phone, the backlight comes on. It goes off when no keys are pressed within a given period of time, depending on the setting in the **Back light** menu (**Menu 9.3.5**). The display turns off after one minute to conserve battery power.

To specify the length of time the backlight is active, set the **Back light** menu. See page 130 for further details.

External Display

Your phone has an external display on the front of the phone. It indicates when you have an incoming call or a message. It also alerts you at a specified time when you have set an alarm. The backlight turns on and the corresponding icon appears on the external display.

You can select the image to be displayed in the **Sub LCD** menu (**Menu 9.3.2**). See page 130 for further details.

To turn the display on when the phone is closed, press and hold one of the Volume keys on the left side of the phone.

Service Light

The service light is a circular light around the Navigation keys. It flashes when services are available on the phone.

To activate or deactivate the service light, use the **Service light** menu (**Menu 9.3.6**). See page 130 for further details.

Camera

The camera module on the back of your phone allows you to take a photo and record a video while on the move.

For further details about the Camera feature, see page 111.

Getting Started

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available and so on.

Important! The plug-in SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting, or removing the card.

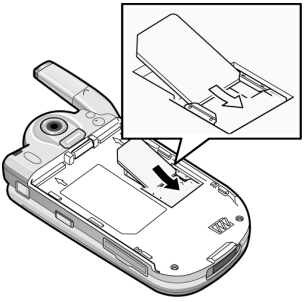
Keep all SIM cards out of the reach of small children.

1. If necessary, switch off the phone by holding down the key until the power-off image displays.
2. Remove the battery. To do so:

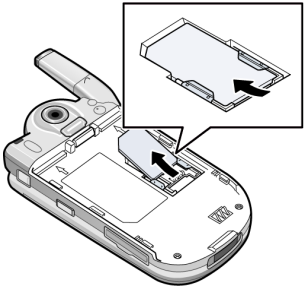
   Press the catch above the battery and hold it in that position. Slide the battery and lift it away, as shown.

3. Slide the SIM card into the SIM card socket, as shown, so that the card locks into position.

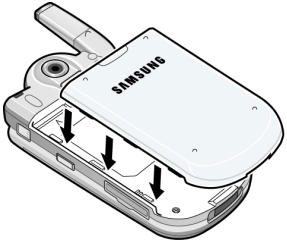
Make sure the gold colored contacts of the card face into the phone.



Note: When you need to remove the SIM card, slide it upwards, as shown, and take it out of the socket.



4. Replace the battery, by carefully matching the tabs on the battery with the grooves on the phone.



5. Slide the battery towards the top of the phone until it clicks into place. Make sure that the battery is properly installed before switching the power on.

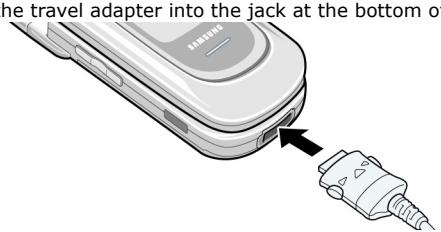
Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. A travel adapter comes with your phone for charging the battery. Use only approved batteries and adapters. Ask your local Samsung dealer for further details.

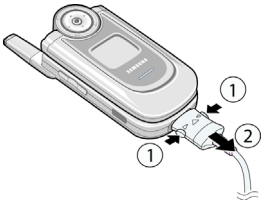
The travel adapter allows you to use the phone while the battery is charging, but this causes the phone to charge more slowly.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 200 minutes.

1. With the battery in position on the phone, plug the connector of the travel adapter into the jack at the bottom of the phone.



2. Plug the adapter into a standard AC wall outlet.
3. When charging is finished, unplug the adapter from the power outlet and disconnect it from the phone by pressing the buttons on both sides of the connector and pulling the connector out.



Note: You must unplug the adapter before removing the battery from the phone during charging; otherwise, the phone could be damaged.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, a warning tone sounds and the "Warning low battery" message repeats at regular intervals on the display. In this case, your phone turns off the backlight to conserve the remaining battery power.

If the battery level becomes too low, the phone automatically turns off.

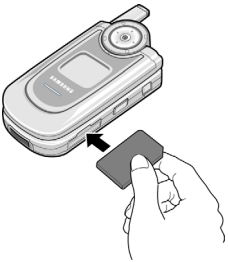
Using the Multimedia Card

You can save images, sounds, and MP3 files downloaded from the wireless web on a memory card. You can also save your photos on the memory card.

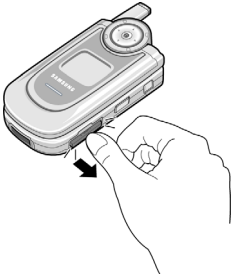
- When you insert a multimedia card via a card reader into the USB port of your computer, the SAMSUNG folder automatically appears in the appropriate directory. To enable the phone to read files, you need to copy those files into the SAMSUNG folder.
- You can delete all of the files stored in the multimedia card only using the FAT format.

- Your memory card may be ejected from the card slot if your phone is jolted. Be careful not to lose the multimedia card.

To install a multimedia card, slide the multimedia card into the slot located on the right side of the phone.



To remove the multimedia card, press and release the card so that it is disengaged from the slot. Then slide it out.



Switching On or Off the Phone

1. Open the phone.
2. Press and hold the key until the phone switches on.
3. If the phone asks you to enter a password, enter the password and press the **OK** soft key or key. The password is preset to "00000000" at the factory. For further details, see page 145.
4. If the phone asks for a PIN, enter the PIN and press the **OK** soft key or key. For further details, see page 145.

   The phone searches for your network and, after finding it, the idle screen appears on the display. Now, you can make or receive calls.

   Note: The display language is preset to English at the factory. To change the language, use the **Language** menu (**Menu 9.2.1**). For further details, see page 126.

5. When you wish to switch off the phone, press and hold the key until the power-off image displays.

Call Functions

Making a Call

When the idle screen displays, enter the area code and phone number, then press the key.

Note: When you activate the **Auto redial** option in the **Extra settings** menu (**Menu 9.2.5**), the phone automatically redials up to ten times if the person does not answer the call or is already on the phone. See page 128 for further details.

Making an International Call

1. Press and hold the **0** key.
   The **+** character appears.
2. Enter the country code, area code, and phone number and press the key.

Correcting the Number

To clear	Press the
the last digit displayed	**C** key.
any other digit in the number	Left or Right key until the cursor is immediately to the right of the digit to be cleared. Press the **C** key.
the whole display	**C** key and hold it for more than one second.

Ending a Call

When you want to end your call, briefly press the key or close the phone.

Redialing the Last Number

The phone stores the numbers of the calls you've dialed, received, or missed, if the call recipient or caller is identified. See "Call Records" on page 65 for further details.

To recall any of these numbers:

1. If you have typed characters on the display, press the key to return to Idle mode.
2. Press the key to display a list of the most recent numbers used in the order you dialed or received them.
3. Press the Up or Down key to scroll through the numbers until the number you want highlights.

To	Press the
dial the number	key.
edit the number	**Options** soft key and select **Edit**. Change the number, referring to "Correcting the Number" on page 27.
delete the number	**Options** soft key and select **Delete**.
delete all of the numbers on the Call log list	**Options** soft key and select **Delete all**. Press the **Yes** soft key to confirm.

Making a Call from Phonebook

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called Phonebook.

Once you have stored a number in Phonebook, you can dial it by pressing a few keys. You can also assign your most frequently-used numbers to number keys using the Speed dial feature.

For further details about the Phonebook feature, see page 49.

Dialling a Number from the Phonebook

Once you have stored phone numbers in Phonebook, you can dial them easily and quickly by using the location numbers that were assigned to them.

If you cannot remember a location number, you must go into the **Search** menu to search for the entry by name. For more information see "Searching for a Number in Phonebook" on page 46.

To Dial a Number from the SIM card:

1. In Idle mode, enter the location number for the phone number you want to dial and press the **#** key. The list of entries in the SIM card appears.
2. Press the Up or Down key to highlight other numbers in the SIM card list.
3. Press the **Dial** soft key or ⓓ key or ✆ key when you have selected the number you want.

To dial a number from the phone's memory:

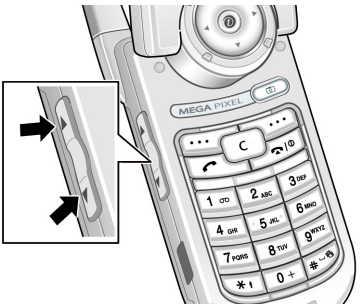
1. In Idle mode, press and hold the **0** key. A **+** appears.
2. Enter the location number of the phone number you want and press the **#** key.

   The list of entries in the phone's memory appears.
3. You can press the Up or Down key to find other numbers on the list.
4. Press the **Dial** soft key or ⓓ key or ✆ key when you have selected the number you want.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the Volume keys on the left side of the phone.

Press the ▲ key to increase the volume level and the ▼ key to decrease the level.



In Idle mode, you can also adjust the keypad tone volume using these keys.

Answering a Call

When somebody calls you, the phone rings and displays the incoming call image.

The caller's phone number or name, if stored in Phonebook, displays.

1. If necessary, open the phone. Press the key or the **Accept** soft key or key to answer the incoming call.

   When the **Anykey answer** option in the **Extra settings** menu (**Menu 9.2.5**) is activated, you can press any key to answer a call except for the key and the **Reject** soft key. See page 129.

   When the **Active folder** option in the **Extra settings** menu (**Menu 9.2.5**) is activated, you can answer the call simply by opening the phone. See page 128.

Note: To reject the call, press and hold one of the Volume keys before opening the phone, or press the **Reject** soft key or key.

2. End the call by closing the phone or pressing the key.

Note: You can answer a call while using Phonebook or menu features. After ending the call, the display returns to the function screen you were using.

Viewing Missed Calls

When you are unable to answer a call for any reason, you can find out who called you so that you can call the person back.

The number of calls you have missed displays on the idle screen immediately after a call is missed.

To view a missed call immediately:

1. If the phone is closed, open the phone.
2. Press the **View** soft key or key.

   The number for the most recent missed call displays, if available.

To	**Press the**
scroll through the missed calls	Up or Down key.
call the number displayed	key.
edit or delete a missed call number	**Select** soft key or key. See below.

Editing a Missed Call Number

Note: When the number for the missed call is not available, the **Edit** option does not display.

1. Press the **Options** soft key or key.
2. Press the Up or Down key to highlight the **Edit** option.

3. Press the **Select** soft key or ⓞ key.
4. Change the number.

To	Press the
call the number	↶ key.
store the number	**Save** soft key or ⓞ key and enter a name and location. For further details, see page 33.

Deleting a Missed Call

1. Press the **Options** soft key or ⓞ key.
2. If necessary, press the Up or Down key to highlight the **Delete** option.
3. Press the **Select** soft key or ⓞ key.

You can press the ⏻ key at any time to exit the Missed Call feature.

Note: You can access the Missed Call feature at any time by selecting the **Missed calls** menu (**Menu 2.1**). For further details, see page 65.

Quickly switching to Silent mode

Silent mode is convenient when you wish to prevent the phone from ringing when it is inappropriate.

In Idle mode, press and hold the # key until the "Silent mode" message and the Vibration icon (📳) display.

In Silent mode, instead of sounds, your phone will vibrate, flash its light, or do nothing depending on the function and the situation.

To exit and reactivate the previous sound settings, from the Idle screen press and hold the # key again until "Exit silent mode" appears. The Vibration icon ( ) no longer displays.

Note: Activating Silent mode will not turn off the camera shutter sound.

Storing a number in Idle mode

As soon as you start to enter a number, **Save** appears above the left soft key to allow you to store the number in Phonebook.

1. Enter the number you want to store.

   Note: If you make a mistake while entering a number, correct it using the **C** key. For further details, see page 27.

2. When you are sure that it is correct, press the **Save** soft key or key.
3. Select a category in which the number is to be stored. Three categories are available:

   1. Mobile number
   2. Work number
   3. Home number

   To select the category, press the Up or Down key and press the **Select** soft key or key.

4. Select a memory location, either **SIM** or **Phone**, by pressing the Up or Down key and press the **Select** soft key or key.

   Note: When you change phones, any numbers stored in your SIM card memory are automatically available with the new phone, whereas any numbers stored in the phone's memory will need to be reentered.

5. Enter a name and press the **OK** soft key.

   For further details about how to enter characters, see page 37.

6. If you do not want to save the number and name in the suggested location, press the **C** key to clear the location number and enter another location by pressing the number keys.
7. Press the **OK** soft key or key to store the name and number.

After storing, the phone displays the Phonebook entry or name you just created.

To	Press the
use the entry options	**Options** soft key or ⓞ key.
return to the idle screen	⏻ key.

Selecting Functions and Options

Your phone offers a set of functions that allows customization. These functions are arranged in menus and sub-menus, accessed using the two soft keys, and . Each menu and sub-menu allows you to view and alter the settings of a particular function.

Using the Soft Keys

The roles of the soft keys vary depending on the function you are currently using; the labels on the bottom line of the display just above each key indicate their current role.

Example:

Press the left soft key to Menu mode.

Press the right soft key to access the Phonebook feature.

Selecting Options

To view the various functions and options available and to select the one you want:

1. Press the appropriate soft key.

To	Press the
select the: • function displayed • option highlighted	**Select** soft key or ⓞ key.
view the next function or highlight the next option on a list	Down key or ▼ key on the left side of the phone.
move back to the previous function or option on a list	Up key or ▲ key on the left side of the phone.
move back up one level in the menu structure	↺ soft key or **C** key.
exit the menu structure without changing the settings	⏻ key.

In some functions, you may be asked for a password or PIN. Enter the code and press the **OK** soft key or ⓞ key.

Note: When you access a list of options, your phone highlights the currently active option. If, however, there are only two options, such as **On**/**Off** or **Enable**/**Disable**, your phone highlights the option that is not currently active so that you can select it directly.

Entering Text

When using your phone, you will often need to enter text, such as when storing a name in Phonebook, creating your personal greeting or scheduling events on your calendar. You can enter alphanumeric characters by using your phone's keypad.

Your phone has the following text input modes:

T9 mode

This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter; for example, pressing the **5** key can enter J, K, or L. However, T9 mode automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring far fewer keystrokes than the traditional Alphabet mode.

Alphabet mode

This mode allows you to enter letters by pressing the key labeled with the letter you want. Press the key once, twice, three or four times until it displays.

Number mode

This mode allows you to enter numbers.

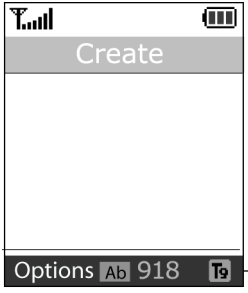
Symbol mode

This mode allows you to enter various symbols and special characters.

Changing the Text Input Mode

When you are in a field that allows characters to be entered, you will notice the text input mode indicator on the display.

Example: Writing a text message



To select	Press the right soft key until
T9 mode	T9 displays. See page 38.
Alphabet mode	A displays. See page 40.
Number mode	1 displays. See page 42.
Symbol mode	the symbol list displays. See page 42.

Note: Additional text input modes may be available, depending on your country.

Using T9 Mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes. This text input mode is based on a built-in editable dictionary.

To enter a word in T9 mode:

1. When you are in T9 mode, start entering a word by pressing the **2** to **9** keys. Press each key only once for each letter.

   Example: To enter "HELLO" in T9 mode, press the **4**, **3**, **5**, **5**, and **6** keys.

   The word that you are typing appears on the display. It may change with each key that you press.

2. Enter the whole word before editing or deleting the keystrokes.
3. When the word displays correctly, go to step 4.

   If the word doesn't display correctly, press the **0** key or the Up or Down key repeatedly to display alternative word choices for the keys that you have pressed.

   Example: Both "OF" and "ME" use the **6** and **3** keys. The phone displays the most commonly used choice first.

4. Insert a space by pressing the # key and start entering the next word.

To add a new word into the T9 dictionary:

1. After pressing the keys corresponding to the word you want to add, press the **0** or the Down key to display the alternative words.
2. When there are no more alternative words, the display shows **Add** on the bottom line. Press the **Add** soft key or ⓘ key.
3. If necessary, clear the word using the **C** key and enter the word you want to add using Alphabet mode; see page 40.
4. Press the **OK** soft key or ⓘ key.

   The word is added to the T9 dictionary and becomes the first word for the associated keypress series.

Note: This feature may not be available for some languages.

- To enter periods, hyphens, or apostrophes, press the **1** key. T9 mode applies grammar rules to ensure that correct punctuation is used.
- Example: The **1** key is used twice to display two punctuation marks:

- To shift case in T9 mode, use the * key. There are three cases; Initial Capital (Ab) Capital lock (AB), and Lower case, (ab).
- You can move the cursor by pressing the Left or Right key. To delete letters, press the **C** key. Press and hold the **C** key to clear the display.

Using Alphabet Mode

Use the **1** - **0** keys to enter your text.

1. Press the keys labeled with the letter you want:
   - Once for the first letter
   - Twice for the second letter
   - And so on
2. Select the other letters in the same way.

Note: The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move to the right automatically, and then select the next letter.

Refer to the following table for further details about available characters:

Key	Characters in the Order Displayed	
	Upper Case	Lower Case
1	. , - ? ! @ : ( ) / 1	
2	A B C 2 Ä Å Æ Ç Γ	a b c 2 à ä åæ Γ
3	D E F 3 É Δ Φ	d e f 3 è é Φ
4	G H I 4 Θ Ψ	g h i 4 ì Ψ
5	J K L 5 Λ	j k l 5 Λ
6	M N O 6 Ñ Ø Ö ö	m n o 6 ñ ø ò ö
7	P Q R S 7 Π Σ Ξ	p q rs 7 ß Σ Ξ
8	T U V 8 Ü ü	t u v 8 ù ü
9	W X Y Z 9 Ω	w x y z 9 Ω
0	Space + = < > € £ $ % & ¥ ¤ 0	

Note: The characters available in Alphabet mode may be different, depending the selected language.

- To insert a space, press the # key.
- To shift case in Alphabet mode, use the * key. There are three cases; Capital lock (AB), Initial Capital (Ab), and Lower case (ab).
- You can move the cursor by pressing the Left or Right key. To delete letters, press the **C** key. Press and hold the **C** key to clear the display.

Using Number Mode

Number mode enables you to enter numbers into a text message. Press the keys corresponding to the digits you want to enter.

Using Symbol Mode

Symbol mode enables you to insert symbols into a text message.

To	**Press the**
select a symbol	corresponding number key.
display more symbols	Up or Down key.
clear the symbol(s)	**C** key.
insert the symbol(s) into your message	**OK** soft key or key.
cancel your input and return to the previous mode	soft key.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Putting a Call on Hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if your network supports this service.

To place a call on hold, simply press the **Hold** soft key. You can reactivate the call whenever you want, by pressing the **Unhold** soft key.

To make a call while you have a call in progress:

1. Enter the phone number that you wish to dial or look it up in Phonebook.
2. Press the key to dial the second call.

   The first call is automatically put on hold.

Or,

1. Put the current call on hold by pressing the **Hold** soft key.
2. Make the second call in the normal way.

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

To switch between the two calls, simply press the **Swap** soft key.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with that person.

When you want to finish, end each call normally by pressing the key.

Using the Menu Functions

You can access the main menu functions during a call.

1. Press the **Options** soft key or key.
2. Press the **OK** soft key or key when the **Menu** option highlights.
3. Press the Up or Down key to scroll through the menu list.

   Note: You cannot use some menus during a call. They are deactivated on this list.
4. When the menu you want highlights, press the **Select** soft key or key.
5. If the selected menu has sub-options, repeat steps 3 and 4.

For further details about available menu functions, see the list on page 58.

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off so that the other person on the phone cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To switch the microphone off temporarily:

1. Press the **Options** soft key or key.
2. Press the Down key to highlight the **Mute** option.
3. Press the **OK** soft key or key.

   The other person can no longer hear you.

To switch the microphone back on:

1. Press the **Options** soft key or key.
2. If necessary, press the Down key to highlight the **Unmute** option.
3. Press the **OK** soft key or key.

The other person can hear you again.

Muting or Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute keys** option is selected, your phone does not transmit the DTMF (Dual Tone Multi-Frequency) tones of the keys, which allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerized telephone systems, the **Send keys** option must be selected.

Sending a sequence of DTMF tones

You can send the DTMF tones as a group after entering the entire number you need to send.

This option is helpful for entering a password or an account number when you call an automated system, like a banking service.

To send the DTMF tones:

1. While connected to the teleservice system, press the **Options** soft key or key.
2. Press the Down key to highlight the **Send DTMF** option.
3. Press the **OK** soft key or key.
4. Enter the number you want to send and press the **OK** soft key or key.

   The tones are sent.

Searching for a Number in Phonebook

You can search for a number in Phonebook during a call.

1. Press the **Options** soft key or key.
2. Press the Down key to highlight the **Phonebook** option.
3. Press the **OK** soft key or key.

   The Phonebook entries are listed.
4. Enter the name that you wish to find.

   If you enter the first few letters of the name, the Phonebook entries are listed starting with the first entry matching your input.
5. To view the highlighted entry, press the **View** soft key or key.

For further details about the Phonebook feature, see page 49.

New Call

While on a call, you can place another call by pressing the **Options** soft key. Highlight the **New Call** option or press the **6** key. Dial the number you wish to reach and press the key.

Call Waiting

You can answer an incoming call while you have a call in progress, if your network supports this service and you have set the **Call waiting** menu (**Menu 9.5.2**) to **Activate**; see page 135. You are notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress:

1. Press the key to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, press the **Swap** soft key.

3. To end the call on hold, press the **Options** soft key or key and select the **End held call** option.

   To end the current call, press the key.

Making a Multi-party Call

A multi-party call is a network service that allows up to six people to take part simultaneously in a multi-party or conference call. For further details about subscribing to this service, contact your service provider.

Setting up a Multi-party Call

1. Call the first participant in the normal way.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multi-party call, press the **Options** soft key or key and select the **Join** option. Press the **OK** soft key.
4. To add a new person to the multi-party call, call the new person in the normal way and press the **Options** soft key or key. Select the **Join** option.

You can add incoming callers by answering the call, pressing the **Options** soft key or key, and selecting the **Join** option. Repeat as required.

Having a Private Conversation with One Participant

1. Press the **Options** soft key or key and choose the **Select one** option. Press the **OK** soft key or key.

   The list of call participants appears.
2. Highlight a person from the list by pressing the Up or Down key, and press the **Select** soft key or key.

3. When the **Private** option highlights, press the **OK** soft key or key.

   Now you can talk privately to that person. The other participants can still converse with each other.

4. To return to the multi-party call, press the **Options** soft key and select the **Join** option. Press the **OK** soft key or key.

   All the multi-party call participants can now hear each other.

Dropping One Participant

1. Press the **Options** soft key and choose the **Select one** option. Press the **OK** soft key or key.

   The list of call participants appears.

2. Highlight a person from the list by pressing the Up or Down key, and press the **Select** soft key or key or key.

3. Press the Down key to select the **Remove** option and press the **OK** soft key or key.

   The call with that participant ends, but you can continue to talk to the others.

4. When you want to end the multi-party call, close the phone or press the key.

Phonebook

You can store phone numbers and their corresponding names in both your SIM card and your phone's memories. They are physically separate but are used as a single entity, called Phonebook.

Notes:

- Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store may differ.
- You can quickly enter this menu by pressing the **Ph.Book** soft key in Idle mode.

Search

In this menu, you can search Phonebook entries by entering names.

1. Enter the first few letters of the name that you want to find.

   The Phonebook entries are listed, starting with the first entry matching your input.

To	Press the
view the highlighted entry	**View** soft key or key.
select a different entry	Up or Down key until the entry you want highlights.
look for a name starting with a different letter	key labeled with the letter you want.

2. Once you have found the entry, press the or key to dial the number, or press the **Options** soft key to access the Phonebook entry options; for further details, see page 50.

Using Phonebook entry options

While accessing any Phonebook entry, press the **Options** soft key or key to access the options for the entry.

The following options are available:

Photo caller ID: allows you to assign one of the photos you took using the camera as a caller ID image to be displayed when you receive a call from the selected number. For details about the camera feature, see page 111.

Select photo: allows you to select a photo for the number.

Take photo: allows you to take a new photo to be used as a caller ID.

View: displays the photo assigned to the number.

Delete caller ID: cancels the photo caller ID setting for the number.

Edit: allows you to edit the name and number.

One entry: changes one number for the selected name. If you change the name, the number is saved separately.

All entry: changes the name of the entry.

Copy: allows you to copy the number to another location. You can select the memory location, either SIM or Phone, and the location number.

Paste: allows you to paste the number into the normal dialing mode. Use this option to dial a number similar to one in Phonebook, such as a different extension in the same office.

Use the **C** key to change the number as required; see page 27 for further details. When you are ready to dial, press the key.

Delete: allows you to delete the selected number from Phonebook. You are asked to confirm that you wish to delete the name and number by pressing the **Yes** soft key or key.

Caller group: allows you to organize your Phonebook entries in caller groups so that the phone alerts you in a specific way when a person from one of your groups calls you. Select one of the ten groups available.

To remove an entry from a group, select the **No group** option.

For further details about how to change caller group properties, see page 52.

Add entry: allows you to add a new number to the currently selected name.

New entry

This menu allows you to add a new entry into Phonebook.

1. Select a category of the number to be stored by pressing the Up or Down key, and press the **Select** soft key or key.

   Note: The E-mail address is available in this procedure. It allows you to save an e-mail address instead of a phone number.

2. Select a memory location, either **SIM** or **Phone**, and press the **Select** soft key or key.

   Note: When you are saving an e-mail address, SIM is not available.

3. Enter a name and press the **OK** soft key or key.

   For further details about how to enter characters, see page 37.

4. Enter the number or address you want to store.

5. Press the **Save** soft key or key to store the name and number.

   After storing, the phone displays the Phonebook entry or name you just created.

To	Press the
use the entry options	**Options** soft key or key. For further details, see page 50.

To	Press the
return to the idle screen	/ key.

Group search

You can search Phonebook entries by a group.

1. Enter the first few letters of the group name that you want to find.

   The caller groups are listed, starting with the first group matching your input.

2. If necessary, scroll to a group by pressing the Up or Down key and press the **View** soft key or key.

   The Phonebook entries in the caller group are listed.

To	Press the
view the highlighted entry	**View** soft key.
select a different entry	Up or Down key until the entry you want highlights.

3. Once you have found the entry, press the key or key to dial the number, or press the **Options** soft key or key to access the Phonebook entry options; for further details, see page 50.

Group edit

In this menu, you can change the properties of each group.

1. Scroll through the group list by pressing the Up or Down key.
2. When the group you want highlights, press the **Options** soft key or key.
3. Select each option and change the settings, as you want. The following options are available:

Call ring tone: allows you to set a ring tone to be used when you receive a voice call from a member of that group.

SMS tone: allows you to set a ring tone to be used when you receive a message from a member of that group.

Graphic: allows you to set a graphic icon to be displayed when you receive a voice call from a member of that group.

Group name: allows you to assign a name to the group. For further details about how to enter characters, see page 37.

4. After changing the setting, press the **Select** or **OK** soft key or the key.

Speed dial

You can assign up to eight phone numbers from your Phonebook list that you use most frequently to the number keys (**2** to **9**), and then dial them easily whenever you want, simply by pressing and holding the associated number key.

Setting up Speed-dial Entries

1. Select the key to which you wish to assign the speed-dialling number, from the **2** to **9** keys, and press the **OK** soft key or key.

Note: Memory location 1 is reserved for your Voice Mail server number.

If you have already assigned a number to the key, the **Options** soft key replaces the **OK** soft key.

2. Select an entry from the Phonebook list and press the **View** soft key or key.
3. Select a number, if the entry has more than one, by pressing the Up or Down key and press the **Select** soft key or key.

Once you have assigned a number to the key, you can access the following options by pressing the **Options** soft key or key:

Change: allows you to assign a different number to the key.

Delete: allows you to clear the setting so that no number is assigned to the key.

Delete all: allows you to clear the settings for all the keys so that no numbers are assigned to any of the keys.

Number: allows you to view the number assigned to the key.

Speed-dialing

To speed-dial the numbers assigned to the **2** - **9** keys, press and hold the appropriate key.

Delete all

You can delete all of your entries from your phone's memory, your SIM card, or both.

1. To place a check mark by the memory location you want to empty, **All**, **SIM**, or **Phone**, press the key.

   You can remove the check mark by pressing the key again.

2. Press the **Delete** soft key to delete the entries in the selected memory location(s).

3. Enter the phone password and press the **OK** soft key or key.

   Note: The password is preset to "00000000" at the factory. To change this password, see page 139.

4. When the confirmation message appears, press the **Yes** soft key or key.

   To cancel the deletion, press the **No** soft key.

5. When the phone asks for confirmation again, press the **Yes** soft key or key.

Memory status

You can check how many names and numbers are stored in Phonebook, in both the SIM card and the phone's memory.

Press the Up or Down key to view the number of entries you stored and the total number of the entries you can store in the SIM card and the phone's memory.

Own number

This function is a memory aid, which you can use to check your own phone numbers if you need to do so.

You can:

- assign a name to each of the own phone numbers registered on your SIM card.
- edit the names and numbers.

Any changes made here do not in any way affect the actual subscriber numbers on your SIM card.

Using the Menus

The phone offers a range of functions that allow you to tailor it to your needs. These functions are arranged in menus and sub-menus.

The menus and sub-menus can be accessed by scrolling or by using the shortcuts.

Accessing a Menu Function by Scrolling

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** using the Navigation keys and press the **Select** soft key or ⓐ key.
3. Scroll using the Up or Down key to reach a main menu, **Phone settings** for example. Press the **Select** soft key or ⓐ key.
4. If the menu contains sub-menus, **Language** for example, you can access them by pressing the Up or Down key and press the **Select** soft key or ⓐ key.

   If the menu that you have selected contains further options, repeat this step.

To	Press the
scroll through the menus	Up or Down key or use the Volume keys.
confirm the chosen setting	**Select** soft key or ⓐ key.
return to the previous menu level	↩ soft key or **C** key.
exit the menu without changing the settings	☎/⏻ key.

Using Shortcuts

Menu items, such as menus, sub-menus, and options, can be accessed quickly by using their shortcut numbers. For the main menus, you can access any one of them by pressing the number keys (**1** - **9**) corresponding to their location on the screen.

Press the **Menu** soft key and enter the number of the menu you want.

Note: For menu number 10, use the **0** key.

Example: Accessing the **Language** menu

1. Press the **Menu** soft key.
2. Press the **9** key for **Settings**.
3. Press the **2** key for **Phone settings**.
4. Press the **1** key for **Language**.

   The languages available display.

List of Menu Functions

The following list shows the menu structure and indicates the number assigned to each option and the page where you can find a description of each feature.

1. Voice messages (see page 63)

2. Call records (see page 65)

- 2.1 Missed calls
- 2.2 Incoming calls
- 2.3 Outgoing calls
- 2.4 Delete all
- 2.5 Call time
  - 2.5.1 Last call
  - 2.5.2 Total outgoing
  - 2.5.3 Total incoming

2.5.4 Life time
2.5.5 Reset timers

3. Applications (see page 69)

3.1 MP3 player
3.2 Voice memo
3.2.1 Record voice
3.2.2 Voice list
3.2.3 Delete all
3.2.4 Memory status

4. t-zones (see page 75)

4.1 Home
4.2 Favorite
4.3 http://
4.4 Clear cache

5. Messages (see page 79)

5.1 Text messages
5.1.1 Create
5.1.2 Inbox
5.1.3 Outbox
5.1.4 Templates
5.1.5 Settings
5.1.6 Delete all
5.1.7 Memory status
5.2 Picture messages
5.2.1 Create
5.2.2 Inbox
5.2.3 Outbox
5.2.4 Draft
5.2.5 Templates
5.2.6 Delete all
5.2.7 Memory status
5.3 Browser messages
5.3.1 Inbox
5.3.2 Receive

5.3.3 Delete all
5.4 Voice mail
5.4.1 Call voice mail
5.4.2 Voice server number
5.5 Broadcast Messages*

6. Funbox (see page 97)

6.1 Games
6.2 Sounds
6.3 Images
6.4 Videos
6.5 Delete all
6.6 Memory status
6.6.1 Games
6.6.2 Sounds
6.6.3 Images
6.6.4 Videos

7. Organizer (see page 105)

7.1 Alarm
7.1.1 Once
7.1.2 Daily
7.1.3 Morning call
7.1.4 Remove
7.1.5 Autopower
7.2 Calendar
7.3 To do list
7.4 Calculator
7.5 Currency converter

8. Camera (see page 111)

8.1 Take and Send
8.2 Record and Send
8.3 My Photos
8.4 My Videos
8.5 My Album
8.6 My Journal

8.7 Delete all
8.8 Memory status
8.9 Select memory location

9. Settings (see page 125)

9.1 Time & Date
- 9.1.1 Set time
- 9.1.2 Set date
- 9.1.3 World time
- 9.1.4 Time format
- 9.1.5 Auto update

9.2 Phone settings
- 9.2.1 Language
- 9.2.2 Greeting message
- 9.2.3 Infrared activate
- 9.2.4 Short cut
- 9.2.5 Extra settings

9.3 Display settings
- 9.3.1 Main LCD
- 9.3.2 Sub LCD
- 9.3.3 Menu style
- 9.3.4 Brightness
- 9.3.5 Back light
- 9.3.6 Service light
- 9.3.7 Graphic logo

9.4 Sound settings
- 9.4.1 Ring tone
- 9.4.2 Ring volume
- 9.4.3 Alert type
- 9.4.4 Keypad tone
- 9.4.5 Message tone
- 9.4.6 Folder Tone
- 9.4.7 Power on/off
- 9.4.8 Alerts on call
- 9.4.9 Extra tones

9.5 Network services
- 9.5.1 Call forward
- 9.5.2 Call waiting

9.5.3 Network selection
9.5.4 Caller ID
9.5.5 Band selection
9.6 Security
9.6.1 PIN check
9.6.2 Change PIN
9.6.3 Phone lock
9.6.4 Change password
9.6.5 Privacy
9.6.6 FDN mode
9.6.7 Change PIN2
9.7 Reset settings

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* Shows only if supported by your SIM card.

Voice Messages

In this menu, you can record a voice memo of up to 30 seconds and then immediately send it by a MMS (Multimedia Message Service) message.

When you access this menu, a timer appears on the screen.

1. Press the **Record** soft key or key to start recording.
2. Record a memo by speaking into the microphone.

The display shows the remaining time.

3. When you are finished, press the **Stop** soft key or key. Or, when the recording time is expired, the display switches to the next screen.
4. Choose one of the following options and press the **Select** soft key or the key:

Recent log: allows you to select a number or an address from the 10 last destinations you entered for sending the last messages.

Phone number: allows you to enter the phone number you want.

E-Mail: allows you to enter the e-mail address of the recipient.

Phone book: allows you to retrieve a number from your Phonebook.

Note: You can access the following options by pressing the **Options** soft key:

Replay: plays back your voice memo.

Re-record: discards the voice memo and enables you to record another one.

Send: allows you to send the voice memo.

5. Enter a number or an e-mail address, or select a destination from the Phonebook or Recent log list.

6. When the correct number or address displays, press the **Select** soft key.
7. To add a destination, select **Add destination** and press the **Select** soft key or the t key. Repeat from step 4 and 6. You can enter up to 10 destinations.

If you want to edit the destinations, select one and press the **Select** soft key or the key. You can change or delete it.

8. When you have finished entering the destinations, press the **Select** soft key or the key when **Send message** highlights.

Your phone sends the message. After sending, the message is saved in the Outbox in the **Picture messages** menu.

Call Records

In this menu, you can view the:

- calls you missed, incoming, or outgoing.
- length of your calls.

Notes:

- You can access the call records of all 3 types of calls by pressing the key in Idle mode.
- The number of call records the phone can store may vary, depending on your SIM card.

Missed calls

This menu lets you view the 20 most recent calls you received, but did not answer.

The number or name, if already stored in your Phonebook, displays with the time and date the call was received.

When you press the **Options** soft key or key, you can access the following options:

Edit: allows you to edit the number, if available, and dial it or Save it in Phonebook.

Delete: deletes the selected call from the list.

You can also dial the number by pressing the key.

Incoming calls

This menu lets you view the 20 most recent calls you received.

The number or name, if already stored in your Phonebook, displays with the time and date the call was received.

When you press the **Options** soft key or key, you can access the following options:

Edit: allows you to edit the number, if available, and dial it or Save it in Phonebook.

Delete: deletes the selected call from the list.

You can also dial the number by pressing the key.

Outgoing calls

This menu lets you view the 20 most recent calls you dialed.

The number or name, if already stored in your Phonebook, displays with the time and date the call was made.

When you press the **Options** soft key or key, you can access the following options:

Edit: allows you to edit the number, if available, and dial it or Save it in Phonebook.

Delete: deletes the selected call from the list.

You can also dial the number by pressing the key.

Delete all

This menu allows you to delete all of the records in each call record separately, or you can also delete all of your call records at one time.

To	Press the
select a call record category to clear	Up or Down key. To delete all of your call records select **All calls**.
place or remove a check mark	key.

1. Press the **Delete** soft key to delete the marked record.

2. When a confirmation message displays, press the **Yes** soft key or key to confirm.
3. When the phone asks for confirmation again, press the **Yes** soft key or key.

Call time

This menu lets you view the time log for calls made and received.

Note: The actual time invoiced by your service provider may vary, depending on network features, rounding-off for billing purposes, and so on.

The following time logs are available:

Last call: shows the length of the last call.

Total outgoing: shows the total length of all calls you have made since the timer was last reset.

Total incoming: shows the total length of all calls you have received since the timer was last reset.

Life time: shows the total length of time for incoming and outgoing calls. The length of call time must be at least 1 minute to increment this field. This information cannot be cleared.

Reset timers: allows you to reset the call timers. You must first enter the phone password and then press the **OK** soft key or key.

Note: The password is preset to "00000000" at the factory. To change this password, see page 139.

Note: This **will not** reset the **Life time** timer option

Applications

Your phone provides you with functions as an MP3 player or a voice recorder.

MP3 player

You can enjoy music using your phone as an MP3 player.

You first need to download MP3 music files to your phone's memory or to a multimedia card. You can download music files from the wireless web or copy music files from your PC to the multimedia card.

Selecting Memory location

By default the memory loction is set to **Phone**. To access music files saved to your memory card, use the following steps:

1. From the MP3 player screen, press the **Options** soft key. Press the Up or Down key to highlight **Select memory location** (**Menu 3.1.6**).
2. Press the **Select** soft key or the key. Use the Up or Down key to highlight **Phone** or **MMC**. Press the **Select** soft key or the key.

Playing MP3 files

1. On the MP3 player screen, press the Up key to view the file list. By default, the file list stored in the phone's memory displays.
2. Scroll through the file list and press the key to select a file. Repeat this step to play more files.

   You can remove your check mark(s) by pressing the key again. To play all of the files on the list, select **All**.

   Note: Some downloaded files may be deactivated on the list if their format is not supported.
3. Press the **Options** soft key. The following options are available:

Play: plays the file(s).

Delete: allows you to delete the file(s).

Properties: shows you information about the file(s).

Copy to MMC: allows you to move the file(s) from the phone's memory to an optional multimedia card. This option is only available for MP3 files stored in the phone's memory.

Copy to phone: allows you to move the file(s) from an optional multimedia card to the phone's memory. This option is only available for MP3 files stored on the memory card.

4. Select the **Play** option to play the file(s).
5. Press the **Select** soft key or ⓞ to play the files.
6. You can access the following options while playing a file:

To	Press the
view the file list	Up key.
pause or resume	ⓞ key.
skip to the previous file	Left key.
skip to the next file	Right key.
adjust the volume	Volume keys.
use options	**Options** soft key.
stop	Down key.

Using MP3 player options

You can use the following options when you press the **Options** soft key on the MP3 player screen.

Play all: allows you to play all of the MP3 files in the phone's memory or on the multimedia card.

Repeat mode: allows you to set the phone to repeat playback.

Delete all: allows you to delete all of the files.

Sorting: allows you to change the sort order of the file list.

Memory status: shows the Total, Used, and Free memory amounts for Photos, Videos, and MP3s, collectively. Press the **Next** soft key to view memory space in use for Photos, and for Videos and for MP3s individually. At the bottom of the screen is a sliding scale that shows the amount of memory use and available for these features, collectively.

Select Memory Location: allows you to select the default memory location, the phone's memory or memory card, from which to play downloaded MP3 files.

Voice memo

You can record voice memos. After recording, you can send the memo to other people via the Multimedia Message Service.

Record voice

This menu allows you to record a new memo. When you select this option, the display shows a 30-second timer.

1. To start recording, press the **Record** soft key or key.
2. Record a memo by speaking into the microphone.
3. When you press the **Stop** soft key or key, or if the recording time expires, the following options display:
   - **Replay**: plays back your memo. Pressing the key increases the volume of the voice memo
   - **Re-record**: discards the memo and enables you to record another one.
   - **Save**: allows you to save the memo.
   - **Quit**: cancels your recording and exits the Record voice menu.
4. To save the memo, choose **Save** and press the **Select** soft key or key.

5. Press the **C** key to clear the default name, if necessary, and enter a name for the memo.

   For further details about how to enter characters, see page 37.

6. Press the **OK** soft key or key.

   The memo is saved and then the display shows the memo information.

7. Press the **Options** soft key or key to access the following memo options:

Send: allows you to send the memo to other people by using the MMS feature. See page 86 for further details about sending a message.

Rename: allows you to change the memo's name.

Delete: allows you to delete the memo.

8. To exit, press the soft key or key.

Voice list

This menu shows a list of saved voice memos. Scroll to a memo and press the **Options** soft key or key. The following options are available:

Play: plays the memo.

Send: allows you to send the memo to other people by using the MMS feature. See page 93 for further details about sending a message.

Rename: allows you to change the memo name.

Properties: displays information about the memo, such as the name, the date when the memo was made, recording duration, and memory size.

Delete: allows you to delete the memo.

Delete all

In this menu, you can delete all of your voice memos.

When the confirmation message appears, press the **Yes** soft key or key. To cancel the deletion, press the **No** soft key. When the phone asks for confirmation again, press the **Yes** soft key or key.

Memory status

You can check the amount of memory being used and the memory remaining for voice memos.

The display shows the Total, Free, and Used memory for voice memos. You can also view the number of memos you recorded and the total number of memos you can record.

t-zones

Your phone is equipped with a WAP (Wireless Application Protocol) browser to allow you to access and navigate the Wireless Web using your phone.

Home

Selecting this menu connects the phone to the network and loads the homepage of the Wireless Web service provider. You can also press the key in Idle mode to launch the browser.

The contents of the WAP Browser startup homepage depends on your Wireless Web service provider. To scroll through the screen, use the Up or Down key.

Note: To go to the startup homepage from any other screen in the WAP browser, use the **Home** option. For further details about the WAP Browser menus, see page 76.

Exiting the WAP browser

To exit the browser at any time, simply press and hold the key.

Navigating the WAP browser

To	Press the
scroll through browser items	Up or Down key
select a browser item	**Options** soft key and choose the Select option.
return to the previous page	**C** key.
return to the startup homepage	**Options** soft key and select the **Home** option. For further details about this option, see page 76.

Entering text in the WAP browser

When you are prompted to enter text, the currently active text input mode is indicated on the screen. To change the text input mode, press the # key one or more times.

The following modes are available:

Upper-case character mode (**A**): allows you to enter upper-case English characters.

Lower-case character mode (**a**): allows you to enter lower-case English characters.

T9 mode (**T9**): allows you to enter English characters by pressing one key per letter. In this mode, you can use only the **0** key to display alternative words. To change case, press the * key.

Number mode (**1**): allows you to enter numbers.

Selecting and using browser menu options

Various menu options are available when you are using the WAP Browser to navigate the Wireless Web.

To access a menu option:

1. Press the **Options** soft key.

   A menu list displays.

2. Highlight a menu by pressing the Up or Down key.
3. Select an option by pressing the **Select** soft key or key.
4. If necessary, select a secondary option by pressing the Up or Down key, and press the **Select** soft key or key to confirm.

Note: The menus may vary, depending on your version of the WAP browser.

Press the **Menu** soft key to display the following options:

Favorite: shows the bookmarks list. You can bookmark the current web page or access previously bookmarked page.

Reload: reloads the current page.

Home: takes you back at any time to the home page of the Wireless Web service provider.

Go to URL: allows you to manually enter the URL address of a Web page. After entering an address, press the **OK** soft key to go there directly.

Show URL: displays the URL address of the Web page to which you are currently connected. It also enables you to set the current site as the startup home page.

Clear cache: deletes the information stored in the cache. The cache stores the most recently accessed Web pages.

Security info: shows security information when you access the wireless web with the secured WAP setting activated.

Inbox: allows you to read messages received from a web server.

Show images: shows the image on the current web page.

Favorite

This menu allows you to store the URL addresses of up to ten of your favorite web sites.

To store a URL address:

1. Select an empty location and press the **Options** soft key or key.
2. Enter the address and press the **Enter** soft key or key.

   For further details about how to enter characters, see page 37.
3. Enter a name for the favorite item and press the **Enter** soft key or key.

After saving an item, you can access the following options by pressing the **Options** soft key or key:

Goto URL: quickly takes you to the site.

Edit: allows you to edit the address and name.

Delete: deletes the address.

http://

This menu allows you to manually enter the URL address of a Web site that you wish to access.

For further details about how to enter characters, see page 37.

Clear cache

You can clear the information stored in the cache, the phone's temporary memory in which the most recently accessed Web pages are stored.

Press the **Yes** soft key or key to confirm the deletion. Otherwise, press the **No** soft key.

Messages

Using the **Messages** menu, you can use various message features, such as:

- Text messages
- Picture messages
- Browser messages
- Voice mail
- Broadcast messages.

Text messages

Short Message Service (SMS) allows you to send and receive short text messages to and from other GSM mobile phones. In addition, your phone supports the Enhanced Messaging Service (EMS), which enables you to include photos, melodies, and animated images in your messages. To use this feature, you must subscribe to your service provider's message service.

The Text Message icon ( ) appears when you have received new text messages. If the memory is full, an error message displays and you will be unable to receive any new messages. Use the **Delete** option in each message box to delete unwanted messages.

Create

In this menu, you can write and send text messages.

Creating a simple text message

1. Create your message.

   Note: For further details about entering characters, see page 37.

2. When you finish entering a message, press the **Options** soft key. The following options are available:

   Note: When you press the key, the phone automatically selects the **Send only** option. Skip to step 5.

Send only: allows you to send the message. The message is then deleted after sending.

Save and send: allows you to first save a copy of the message and then sends the message. You can read the message in your Outbox.

Save only: allows you to save the message to be sent at a later time. You can read the message in your Outbox.

For further details about **Text formatting**, **Add content**, **Add templates**, **Add from phonebook**, **Add from favorites**, and **Language** options see page 80.

3. Select **Send only** or **Save and send**, and press the **Select** soft key or ⓘ key.

   If you want to just save the message, select **Save only**. After saving the message, the phone returns to the Text messages menu screen.

4. If you select a save option, choose the memory location and press the **OK** soft key or ⓘ key.

5. Enter a destination number and press the **OK** soft key or ⓘ key.

   The message is sent.

Note: When the phone fails to send the message, it asks you if you want to retry. Press the **OK** soft key or ⓘ key to confirm. Otherwise, press the **Exit** soft key to return to the Create screen.

Creating a Message Using Options

1. Create a message.
2. Press the **Options** soft key.
3. Select one of the following options by pressing the Up or Down key and press the **Select** soft key or ⓘ key:

Text formatting: allows you to format the style of the text.

For the **Size** attribute, **Normal**, **Large**, and **Small** sizes are available. For the **Bold**, **Italic**, **Underline**, and **Strikethrough** attributes, select **On** or **Off**.

These attributes can be combined.

Add content: allows you to add a sound, melody, picture, or animated image to the message. Select the category of the content to be added. In each category, you can select from the various factory-set items or choose an item received from other sources, such as the Internet or other phones.

Note: When you add media items to a message, the number of characters you are allowed to enter decreases.

Add templates: allows you to apply one of the preset message templates to the text. Select one of 9 items stored in the **Templates** menu (**Menu 5.1.4**). For further details, see page 83.

Add from phonebook: allows you to add a Phonebook entry to your message. Select one from the list.

Add from favorites: allows you to add a web page address stored in your Favorites list. Select one from the list.

Language: allows you to change the language to be used in T9 input mode. Select the language to be used.

4. Complete the message, and send or save it by following the procedure from step 2 on page 79.

Inbox

This message box is used to store messages that you have received.

When you enter this menu, the list of messages in the box displays with the senders' phone numbers or names, if available in your Phonebook.

1. Select a message from the list and press the **View** soft key or key to read the message contents.
2. To scroll through the contents, press the Up or Down key.
3. To scroll to the previous or next message, press the * or # key.

While reading a message, you can choose the following options by pressing the **Options** soft key or ✆ key:

Text reply: allows you to send a reply to the sender.

Forward: allows you to forward this message to another phone.

Delete: allows you to delete the message.

Call back: allows you to call the sender.

Save address: allows you to extract the sender's number and URL, e-mail addresses, or phone numbers from the message text.

Move to phone: allows you to move the message from the SIM card to the phone's memory. This option is only available for messages stored in the SIM card.

Move to SIM: allows you to move the message from the phone's memory to the SIM card. This option is only available for messages stored in the phone's memory.

Select content: allows you to save media items, such as sounds or images, from the message into your phone. You can then use these items when writing a message. For details, see page 81.

Outbox

This message box is used to store messages that you have sent or will send.

When you enter this menu, a list of messages in the box displays with the recipients' phone numbers or names, if available in your Phonebook.

1. Select a message from the list and press the **View** soft key or ✆ key to read the message contents.
2. To scroll through the contents, press the Up or Down.
3. To scroll to the previous or next message, press the * or # key.

While reading a message, you can choose the following options by pressing the **Options** soft key or key:

Delete: allows you to delete the message.

Send: allows you to send/resend the message. For further details about how to send a message, see page 79.

Save address: allows you to extract the destination number and URL, e-mail addresses, or phone numbers from the message text.

Move to phone: allows you to move the message from the SIM card to the phone's memory. This option is only available for messages stored in the SIM card.

Move to SIM: allows you to move the message from the phone's memory to the SIM card. This option is only available for messages stored in the phone's memory.

Select content: allows you to save media items, such as sounds or images, from the message into your phone. You can then use these items when writing a message. For details, see page 81.

Templates

In this menu, you can use preset message templates to create message. To add a message template, select one of the message templates and press the **Select** soft key or key.

The following options are available:

Edit: allows you to write a new message template or edit an message template.

Note: For further details about how to enter characters, see page 37.

Send message: allows you to retrieve the message template. Once you have completed the message, you can send, save and send, or simply save it. For further details about how to send a message, see page 83.

Delete: allows you to delete the message template. You are asked to confirm the deletion by pressing the **Yes** soft key or key.

Settings

In this menu, you can set up default message information. A setting group is a collection of settings required to send messages. The number of setting groups available depends on the capacity of your SIM card.

Notes:
- The setting options available in this menu may vary, depending on your service provider.
- The last setting you accessed is automatically activated for sending messages.

T-Mobile/Setting x (where x is the setting group number): each group has its own sub-menu.

Setting name: allows you to give a name to the setting group currently being defined.

Service center: allows you to store or change the number of your message center, which is required when sending messages. You must obtain this number from your service provider.

Default destination: allows you to store a default destination number. The number automatically displays on the Destination screen when you create a message.

Default type: allows you to store a default destination number. The number automatically displays on the Destination screen when you create a message.

Validity period: allows you to set the length of time your text messages are stored in the message center while attempts are made to deliver them.

Common setting: The following options are available:

Reply path: allows the recipient of your message to send you a reply through your message center, if your network supports this service.

Delivery reports: allows you to activate or deactivate the report function. When this function is activated, the network informs you whether or not your message has been delivered.

Bearer selection: allows you to choose either **GSM** or **GPRS preferred**, depending on your network.

Character support: allows you to choose a character type from **GSM alphabet**, **Uni-code**, or **Automatic**.

If you select **Uni-code** and your recipient's phone does not support it, your recipient may not be able to read your message.

Delete all

This menu allows you to delete all of the text messages in each message box separately. You can also delete all of your messages at one time.

To	Press the
select a message box to clear	Up or Down key. To delete all of your messages, select **All messages**.
place or remove a check mark	key.

1. Press the **Delete** soft key to delete the marked messages.
2. When a confirmation message displays, press the **Yes** soft key or the key to confirm.
3. The phone asks for confirmation again, press the **Yes** soft key or the key.

Memory status

This menu shows the memory status and how many messages are currently stored in the SIM and phone's memories.

Press the Up or Down key to view the number of messages you stored and the total number of messages you can store in the SIM and phone's memories.

Picture messages

Multimedia Message Service (MMS) is a messaging service that provides delivery of personal multimedia messages from phone to phone or from phone to e-mail.

In addition to the familiar text content of text messages, multimedia messages can contain images, graphics, voice, and audio clips. An MMS message is a multimedia presentation in a single file. It is not a text file with attachments.

Using the MMS feature, your phone can receive and send messages that contain multimedia files, such as photos, sounds and images you downloaded from the Internet, and voice memos you recorded. This function is available only if it is supported by your service provider. Only phones that offer multimedia messaging features can receive and display multimedia messages.

Create

This menu allows you to create a new multimedia message and send to one or multiple destinations.

Creating and sending a multimedia message

1. When **Add content** highlights, press the **Select** soft key or the key. The following options are available:

Add text: allows you to add a message text.

Add my photo: allows you to add a photo. You can take a new photo or select one of photos.

Add my video: allows you to add a video. You can record a new video or select one of videos.

Add picture: allows you to add an image. You can add downloaded images if they are in the correct format and your service provider supports them.

Add sound: allows you to add a sound. You can record a new voice memo or select one of voice memos.

2. After adding text, a photo, a video, a picture, or a sound, press the **OK** soft key or the key.

3. Press the **Options** soft key or the key when **Add here** highlights.

The following options are available:

Send message: allows you to send the message. Use this option when you finish creating the message.

Add content: allows you to add text, video, a picture, or a sound.

Add subject: allows you to enter a subject of your message.

Save: saves the message in the **Draft (Menu 5.2.4)** or **Templates (Menu 5.2.6)** box for later use.

Settings: allows you to change the message settings.

Add destination: allows you to enter destination numbers or addresses. Select a destination type (**To, Cc,** or **Bcc**) and press the **Select** soft key or the key. Repeat steps 6 to 8. After adding them, you need to press the soft key or the **C** key to go to back to the options screen.

Preview: shows the message you created.

Note: You can add text, an image, and a sound only once for each page.

4. To change the text or replace the image or sound with another one, select an item and press the **Options** soft key or the key. You can access the following options:

Edit text/image/picture/sound/video: allows you to change the text or replace the image or sound with another one.

Add page: allows you to add more pages. After you add a page, the display shows you the current page number and the memory space used for the page. You can move to each page using the Left or Right key on the message screen.

Delete: deletes the item from your message.

Duration: allows you to set when and how long text, an image, a sound, or a page displays on the message presentation screen. If the duration you set is shorter than the content duration (for example, the length of sound clip) for a particular page, the content duration is automatically decreased.

Send: allows you to send the message.

Save: saves the message in the **Draft (Menu 5.2.4)** or **Templates (Menu 5.2.5)** box for later use.

Settings: allows you to change the message settings. For further details about each setting option.

Add destination: allows you to enter destination numbers or addresses. Select a destination type **(To**, **Cc**, or **Bcc**) and press the **Select** soft key or the key. Repeat steps 6 to 8. After adding them, you need to press the soft key or the **C** key to go to back to the options screen.

Preview: shows the message you created.

5. When you have finished creating the message, choose **Send Message** from the options and press the Select soft key or the key.
6. Choose one of the following options and press the Select soft key or the key:

Recent log: allows you to select a number or an address from the 10 last destinations you entered for sending the last messages**.**

Phone number: allows you to enter the phone number you want.

E-Mail: allows you to enter the e-mail address of the recipient.

Phone Book: allows you to retrieve a number from your Phonebook.

7. Enter a number or an e-mail address, or select a number from Phonebook.
8. When the correct number or address displays, press the **OK** soft key or the key.
9. To add a destination, press the **Select** soft key or the key when **Add destination** highlights. Repeat from step 6 to 8.

   If you want to edit the destinations, select one and press the **Select** soft key or the key. You can change or delete it.
10. When you have finished entering the destinations, select Send message and press the **Select soft** key or the key.

Using the multimedia message options

You can change the default settings for sending or receiving multimedia messages.

The following options are available:

Delivery report: when this option is enabled, the network informs you whether or not your message has been delivered.

Read reply: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.

Expiry period: you can select the length of time your messages are stored in the message center after they are sent.

Delivery time: you can set a delay time before the phone sends your messages.

Priority: you can select the priority level of your messages.

SentMsg Autodelete: you can set this option to automatically delete the message once it has been sent.

Inbox

Viewing a message when you receive it

When a new multimedia message comes in, the display shows the MMS Message icon ( ) and a text notification along with the sender's number.

1. Press the **View** soft key or key to view the sender's number.
2. Press the **Select** soft key to select the message.
3. Press the **Options** soft key or key to access the following options:

Reply: allows you to reply to the message.

Save Content: allows you to choose the category to save the message. Options provided are Picture, Video, and Sound.

Delete: deletes the message.

Callback: allows you to dial the number associated with the selected MMS.

Forward: allows you to forward the MMS to another destination.

Save Address: allows you to Call, Send Message, or Paste use the origination address.

Properties: shows you detailed information about the message.

4. To read the message, press the **Select** soft key.
5. To scroll through the message, press the Up or Down key.
6. When you are finished, press the key.

Viewing a message from the inbox

When you access the **Inbox** menu (**Menu 5.2.2**), a list of multimedia messages you have received displays with the senders' phone numbers, if they are available in your

Phonebook, or subjects. The icons on the left tell you the status of the messages:

: Messages that have been opened.

: Messages you requested from to the MMS server.

: Messages the phone is retrieving from the MMS server.

: Messages the phone couldn't retrieve.

: Messages that are unopened.

1. Select a message on the list and press the **Select** soft key or key.

   The message displays and scrolls to the next page, if it has one, after a specified time.

2. Press the **OK** soft key or key to go to the message view screen.

   Or, the display automatically switches to the screen.

3. To scroll through the message, press the Up or Down key.

   If the message has more than one page, you can scroll through the pages by using the Left and Right keys.

While viewing a message, you can choose the Message options by pressing the **Options** soft key or key.

If you are viewing a new message, the options are the same as when you view a message at the time of its receipt. See the previous section.

When you are reviewing a message retrieved from the MMS server, the following options are available:

Reply: allows you to reply to the sender by sending a text or multimedia message.

Save content: allows you to store the content in the applicable file format. Options are **Picture**, **Video**, and **Sound**.

Delete: deletes the message.

Callback: allows you to call the sender.

Forward: allows you to forward the message to another person.

Save address: allows you to extract the sender's number or e-mail address and URL, other e-mail addresses or phone numbers from the message text.

Properties: shows you information about the message, such as the subject, sender's e-mail address or phone number, message size, recipient's e-mail address or phone number, its priority, and the time and date the message was received.

Outbox

When you access this menu, the list of multimedia messages that you have sent or saved displays. The icons on the left tell you the status of each message:

: Messages currently being sent

: Messages sent

: Messages your phone couldn't send

: Messages to be sent

: Messages deferred

1. Select a message on the list and press the **Select** soft key or key.

   The message displays and scrolls to the next page, if it has one, after a specified time.

2. Press the **OK** soft key or key to go to the message view screen.

   Or, the display automatically switches to the screen.

3. To scroll through the message, press the Up or Down key.

   If the message has more than one page, you can scroll through the pages by pressing the Left or Right key.

4. To scroll to the previous or next message, press the * or # key.

While viewing a message, you can choose the following options by pressing the **Options** soft key or key:

Delete: deletes the message.

Save address: allows you to extract the destination numbers or e-mail addresses and URL, e-mail addresses or phone numbers from the message text.

Send: allows you to send/resend the message.

Edit message: allows you to change the message contents, sound, photo, or text.

Properties: shows you information about the message, such as the status, subject, sender's e-mail address or phone number, message size, transaction ID, MMS version, and the time and date the message was sent.

Draft

After creating a multimedia message, you can store it in this message box to be sent at a later time.

For further details about viewing a message, see "Outbox" on page 92.

Templates

This menu stores messages you saved as templates so that you can use them to make new messages.

1. Scroll through the template list using the Up and Down keys.
2. When the message template you want highlights, press the **Select** soft key or key.
3. Press the **OK** soft key to access the following options, or the display automatically shows the options after a specified time:

Edit message: allows you to send a message using the template. For further details about how to send a message, see page 93.

Delete: allows you to delete the message template. You are asked to confirm the deletion by pressing the **Yes** soft key or the key.

4. Press the key to return to Idle mode.

Delete All

This menu allows you to delete multimedia messages at once or all in each message box selected.

To	Press the
select a message box to clear	Up or Down key. To delete all of your messages, select **All messages**.
place or remove a check mark	key.

1. Press the **Delete** soft key to delete the marked messages.
2. When a confirmation message displays, press the **Yes** soft key or the key to confirm.
3. When the phone asks for confirmation again, press the **Yes** soft key or the key.

Memory status

You can check the amount of memory being used and the amount remaining for multimedia messages.

The display shows the total space, including used and free space. It also shows how much space is currently occupied by each message box.

Browser messages

In this menu, you can receive and access web messages from the server.

The following options are available:

Inbox: allows you to read the messages received from a web server.

Receive: allows you to set whether or not your phone receives web messages. Choose from **Never** or **Always**.

Delete all: allows you to delete all of the web messages.

Voice mail

This menu allows you to access your voice mailbox, if your network supports this service.

Call voice mail

Before using the Voice Mail feature, you must enter the voice server number obtained from your service provider. You can then select this menu and press the **OK** soft key to listen to your messages.

You can quickly connect to the voice server by pressing and holding the **1** key in Idle mode.

Voice server number

This menu allows you to change the voice mail server number, if necessary.

Note: Voice mail is a network feature. Please contact your service provider for further details.

Broadcast Messages

This network service allows you to receive text messages on various topics, such as the weather or traffic. Cell Broadcast (CB) messages display as soon as they are received, provided that:

- the phone is in Idle mode.
- the **Receive** option is set to **Enable**.
- the message channel is currently active on the channel list.

Note: This menu may not be available depending on your SIM card.

The following options are available:

Read: lets you view the received message. The **Volatile** box displays the messages from the network, but loses its contents as soon as the phone is switched off. Scroll through the message by using the Up and Down keys. While reading a message, press the **Save** soft key to store the message in the **Archive** box for later retrieval.

Receive: allows you to enable or disable the reception of broadcast messages.

Channel List: allows you to indicate the channels from which you wish to receive broadcast messages. The following options are available:

Select: use to enable or disable channels on the list by marking or unmarking them respectively. A check mark displays in front of each selected channel.

Add Channel: use to enter the ID and title for a new channel.

Delete: use to remove a channel from the list.

Edit: use to change the ID and title of an existing channel.

Language: allows you to select your preferred language to display cell broadcast messages.

Please contact your service provider for further details.

Funbox

The **Funbox** menu stores games, images, and sounds downloaded from the Wireless Web.

Games

You can download games and MIDlets (Java applications that run on mobile phones) from various sources using the WAP Browser and store them in your phone.

Java games

When you access the Java games menu, the list of default games appears. Once you have downloaded games, they are added to the list.

Note: Java services may not be available, depending upon your service provider.

Downloading a new game

You can download more games from the web site preset by your service provider using the **Get More games** option.

Launching a MIDlet

Note: The procedure explained below is for default games. For downloaded games, the procedure may be different.

1. Scroll to the MIDlet you want on the Games list and press the Launch soft key or the key.
2. On the startup screen of the MIDlet, scroll to an option using the Navigation keys.

   The following options are available:

START GAME: starts a new game.

CONTINUE: allows you to continue the last game you played.

HIGH SCORE: shows the high score table. This option may not be available for some games.

HOW TO PLAY: shows how to play the game and the key functions for the game.

OPTION: allows you to switch the game sound on or off.

3. Press the key to confirm your selection.

While you are playing a game, to	Press the
adjust the sound volume	Volume keys.
stop the game and return to the startup screen	**C** key.
exit the game	/ key.

Viewing MIDlet information

1. Scroll to the MIDlet you want and press the **Info** soft key.

   The display shows information about the MIDlet, such as the file size, application version, its vender, and JAVA VM version. You can also view whether or not you can delete the MIDlet.

2. To scroll to other MIDlet information, press the Navigation keys.
3. If you want to delete the MIDlet, press the **Delete** soft key and then press the **Yes** soft key to confirm the deletion.

   Note: When you select default games from the list, the **Delete** option is not available.

4. To exit and return to the Games list, press the soft key or the **C** key.

Entering text

If you need to enter text while using a MIDlet, you can use the following input modes:

Upper-case character mode (**A**): allows you to enter upper-case English characters.

Lower-case character mode (**a**): allows you to enter lower-case English characters.

Number mode (**1**): allows you to enter numbers.

Symbol mode: allows you to enter symbols. After highlighting a symbol by pressing the Navigation keys, press the ⓘ key to insert it.

T9 mode (**T9**): allows you to enter English characters by pressing one key per letter. In this mode, you can change the case by pressing the **0** key.

To change the text input mode, press the * key until the appropriate indicator appears on the soft key area of the display.

3D games

In this menu, you can enjoy 3D games stored on your phone.

Bomb

1. On the Games list, select **Bomb** and press the **Select** soft key or ⓘ key.
2. Press any key to launch the game.
3. Press the Up or Down key, or the **2** or **8** key to move through the choices and press the **5** or ⓘ key to select one.

The phone displays the following options:

Start Game: allows you to start a new game.

High Score: shows you the high score table.

Option: allows you to choose options

How To Play: shows you how to play the game.

Credit: shows you information about the developers of Bomb.

Exit: allows you to exit the current screen.

4. Select **Start Game** using the Up or Down key, the **2** or **8** key, and press the **5** or ⓞ key. To use the following options, select **Option**. Press the Up or Down key, or the **2** or **8** key to scroll to an option and change the setting using the **5** or ⓞ key.

Theme: allows you to select a game theme, Cube or Bomb.

Sound: allows you to turn the game sound on

or off.

Item: allows you to set whether or not you use items having special functions.

Reset HighScore: resets the high score records.

Back: goes back to the previous screen. You need to select this option after changing any options.

5. Select a mode and press the **5** or ⓞ key to start the game.

Metalion

1. On the Games list, select **Metalion** and press the **Select** soft key or the ⓞ key.
2. Press any key to launch the game.
3. Press one of the Navigation keys to move through the choices and press the **5** or ⓞ key to select one.
4. The phone displays the following options:

START GAME: allows you to start a new game.

OPTION: allows you to choose options (see #4 below).

HIGH SCORE: shows you the high score table.

ABOUT: shows you information about the developers of Metalion.

EXIT: allows you to exit the current screen.

5. Select **START GAME** using the Navigation keys, **2** or **8** key and press the **5** or ⓞ key.

To use the following options, select **OPTION.**

DIFFICULTY: allows you to change the game's level of difficulty.

SOUND ON/OFF: allows you to turn the game sound on or off.

GRAPHIC EFFECT: allows you to change the graphic effects.

EXIT OPTION: allows you to exit the current screen.

6. Select a character using the Left or Right key, or the **4** or **6** key, and press the **5** or key.
7. Press any key to start the game.

Zio Golf

1. On the Games list, select **Zio Golf** and press the **Select** soft key or the key.
2. Press the Up or Down key, or the 2 or 8 key to move through the choices and press the 5 or key to select one.

The phone displays the following options:

New Game: allows you to start a new game.

Load Game: allows you to restart a saved game.

Best Score: shows you the high score table.

Credits: shows you information about the developers of Zio Golf.

Exit: allows you to quit the game.

Sounds

In this menu, you can view the list of sounds downloaded from a web server or received in multimedia messages. You can set the downloaded sounds as the current ring tone or send them to other phones.

Using the **Get More MegaTones** option on the Sound list, you can access the web site preset by your service provider and download new sounds.

1. Scroll to the sound you want to listen to and press the **Play** soft key or key.
2. Press the **Options** soft key or key, to access the following options:

Rename: allows you to change the name of the sound.

Delete: deletes the sound.

Set as ring tone: sets the sound as your ring tone.

Images

In this menu, you can view the list of photos downloaded from a web server or received in messages. You can set the downloaded photos as the current background image or send them to other phones.

If you set a photo as your wallpaper, it is designated as **My photo** on the list.

Using the **Get More Wallpapers** option on the Image list, you can access the web site preset by your service provider and download new images.

1. Scroll to the image you want to view and press the **View** soft key or key.
2. Press the **Options** soft key or key, you can access the following options:

Rename: allows you to change the name of the image.

Delete: allows you to delete the image.

Set as wallpaper: sets the image as your wallpaper for the idle screen.

Videos

In this menu, you can view the list of videos downloaded from a web server or received in messages. You can set the

downloaded videos as the current background image or send them to other phones.

1. Scroll to the image you want to view and press the **View** soft key or key.
2. Press the **Options** soft key or key, you can access the following options:

Rename: allows you to change the name of the image.

Delete: allows you to delete the image.

Set as wallpapers: sets the image as your wallpaper for the idle screen.

Delete all

This menu allows you to delete all of the downloaded items in the **Games**, **Sounds**, **Images** and **Videos** folders separately or all at one time.

To	Press the
select a folder to clear	Up or Down key. To delete all of your items, select **All**.
place or remove a check mark	key.

1. Press the **Delete** soft key to delete the marked items.
2. When a confirmation message displays, press the **Yes** soft key or the key to confirm.
3. When the phone asks for confirmation again, press the **Yes** soft key or the key.

Memory Status

You can check the amount of memory being used and the memory remaining for Games, Sounds, Images and Videos.

Games

When you select this menu, you can view the Total, Used, and Free memory, and also number of games you downloaded.

Sounds

When you select this menu, you can view the Total, Used, and Free memory for sounds. You can also view each space used for sounds.

Images

When you select this menu, you can view the Total, Used, and Free memory for Images. You can also view each space used for images.

Videos

When you select this menu, you can view the Total, Used, and Free memory for videos. You can also view each space used for videos.

Organizer

The Organizer feature enables you to:

- set an alarm so that the phone rings at a specific time, for example, to remind you of an appointment.
- view the calendar and organize your schedule.
- define a list of things to do.
- use the phone as a calculator for basic mathematical equations or currency exchange operations.
- set PIM sync.

Alarm

This feature allows you to:

- set the alarm to ring at a specific time.
- set the phone to switch on automatically and ring the alarm even if the phone is switched off.

The following options are available:

Once: the alarm rings only once and is then deactivated.

Daily: the alarm rings every day at the same time.

Morning call: the alarm rings to wake you up in the morning.

Remove: if an alarm is set, use this option to remove the set alarm.

Auto Power: when this option is set to Enable, the alarm rings at the specified time, even if the phone is switched off. If the option is set to Disable and the phone is switched off at the specified time, the alarm does not ring.

To set an alarm:

1. Choose the type of alarm to be set and press the **Select** soft key or ⓘ key.
2. Enter the time for the alarm to sound.

   Note: Your phone is preset to a 24-hour format. To change the format, see page 126.

   If you want to use the alarm options, press the **Options** soft key. The following options are available:

- **Remove alarm**: deactivates the current alarm.
- **Alarm sound set**: allows you to select the alarm melody.

3. Press the key.
4. If applicable, select **AM** or **PM** and press the **Select** soft key or key.
5. If you select **Morning call** in step 1, choose the repeat option, **Monday to friday** or **Monday to saturday**, and press the **Select** soft key or key.

To stop the alarm when it rings, press the Volume keys, the **Exit** soft key, **C** key, key, or key.

Remove: deactivates all alarm settings.

Autopower: when this option is set to **Enable**, the alarm rings at the specified time, even if the phone is switched off.

If the option is set to **Disable** and the phone is switched off at the specified time, the alarm does not ring.

Calendar

With the Calendar feature, you can:

- consult the calendar and check your memos.
- write memos to keep track of your schedule.
- set an alarm to act as a reminder.

Consulting the Calendar

When you select the **Calendar** menu (**Menu 7.2**), the calendar displays with today's date highlighted. The following options are available when you press the **Options** soft key:

Search all: displays all of the memos, starting with the oldest, regardless of the day. To scroll through the memos, press the Up or Down key.

Delete all: allows you to delete all of the memos. You are asked to confirm your action.

Go to date: allows you to go to a specific date.

New memo: allows you to add a new memo.

Writing a memo

You can make up to 100 memos.

To write or edit a memo on a specific date:

1. Select a date on the calendar by pressing the Navigation keys.

   Note: To skip to the previous or next month, press the Volume keys on the left side of the phone.

2. Press the key.

   An empty memo screen displays allowing you to enter your memo.

3. Enter your memo and then press the **OK** soft key or key.

   Note: For further details about how to enter characters, see page 37.

   You are asked if you wish to set an alarm.

4. If you want an alarm to ring on the chosen day, press the key.
5. Otherwise, press the **Skip** soft key. The memo is saved.
6. If you pressed the key, enter the time for the alarm and press the key.

   Note: Your phone is preset to a 24-hour format. To change the format, see page 126.

You can also select the melody for the alarm by pressing the **Melody** soft key.

7. If applicable, select **AM** or **PM** and press the **Select** soft key or the key.

The color of the date on the calendar changes to green to indicate that a memo exists for that date.

Viewing a memo

When you select a day on which more than one memo exists, the latest memo for that day displays.

In that case, press the Up or Down key to scroll to the previous or next memo.

You can access the following options by pressing the **Options** soft key or the key:

New: allows you to add a new memo.

Edit: allows you to change the memo text.

Alarm: allows you to set an alarm to ring at a specified time to remind you of the memo. If you have set an alarm for that memo, you can change or delete the alarm.

Delete: allows you to delete the memo.

Copy to: allows you to copy the memo to another date.

Move to: allows you to change the date of the memo.

To do list

This feature allows you to:

- enter a list of tasks to be done.
- assign a priority and a deadline to each task.
- sort the tasks by priority and status.

Creating the To do list

1. Press the **New** soft key or key.
2. Enter the first task.

   Note: For further details about how to enter characters, see page 37.
3. Press the **OK** soft key or key.
4. Select a priority level of high, normal, or low priority by pressing the Up or Down key and press the **Select** soft key or key.

5. Enter your deadline and press the key.

   If you do not want to set a deadline, press the **Skip** soft key.

Editing the To do list

When you select the **To do list** menu (**Menu 7.3**), the current contents display with a check mark, indicating whether a task has been done, and its priority level; for High, for Normal, and for Low.

Scroll to the task on the list and press the key to view the details for a specific task. You can scroll through other tasks by pressing the Up or Down key, if necessary.

To change the status of a specific task as completed as of the current time and date, press the * key to mark the task.

To access the following options, press the Options soft key:

New: allows you to create a new task.

Mark: allows you to change the status of a task as completed as of the current time and date.

Edit: allows you to edit an existing task. You can change the text, priority, and/or deadline for the task.

Sort: allows you to sort the existing tasks by priority of status. Select the sort criterion (**High**, **Low**, **Done**, or **Undo**).

Copy: allows you to copy a task.

Copy to calendar: copies a task to the calendar as a memo. Change the text and deadline for the task and set the alarm.

Delete: deletes a task.

Delete all: allows you to delete all of tasks.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides basic arithmetic functions: addition, subtraction, multiplication, and division.

1. Enter the first number using the numeric keys.

Notes:

- To move the cursor to the left or right, press the * or # key.
- To include a decimal point or a bracket, press the left soft key until the symbol you want displays.

2. Enter the operation for your calculation by pressing the Navigation keys, according to the illustration on the display.
3. Enter the second number.
4. To view the result, press the key.
5. Repeat steps 1 to 4 as many times as required.

Currency converter

Using this menu, you can figure out currency conversions.

1. Enter the current exchange rate of your source currency and press the **OK** soft key or key.

   You can insert a decimal point by pressing the # key.

2. Enter the amount to convert and press the **OK** soft key or key.

   The amount you entered and its equivalent value display.

3. Press the **Exit** soft key to exit the currency convertor.

Camera

Using the camera module embedded in your phone, you can take photos of people or events while on the move. You can also send photos to other people in a multimedia message or set one as wallpaper or as a caller ID image for a Phonebook entry.

You can also record videos using the phone as a camcorder.

Note: You can access the **Camera** by short pressing the Camera key ( ) in Idle mode. A long press of the Camera key will access the Camera menu.

CAUTION:

- Do not take photos of people without their permission.
- Do not take photos in a place where cameras are not allowed.
- Do not take photos in a place where you may interfere with another person's privacy.

Selecting Memory location

By default the memory loction is set to **Phone**. To access photos saved to your memory card, use the following steps:

1. From the Camera menu press the Up or Down key to highlight **Select memory location** (**Menu 8.9**).
2. Press the **Select** soft key or the key. Use the Up or Down key to highlight **Phone** or **MMC**. Press the **Select** soft key or the key.

Take and Send

The camera produces JPEG photos. You can take a photo with the phone open or reversed.

Note: When you take a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

Taking a Photo With the Phone Open

1. Accessing the Take and send menu to turn on the camera. You can also press and hold the Camera key on the front of the phone.

   The image to be captured appears on the display.

2. Adjust the image by aiming the camera at the subject.

   When you press the left soft key, you can use the camera options. See page 113. You can also use the right soft key to switch Record mode. For details, see page 116.

Note: You can change the image settings or switch to other modes by using the keypad. For details, see page 113.

3. Press the Camera key or key to take the photo.
4. Press the **Save** soft key or key.

   To discard the photo and return to Capture mode, press the **Discard** soft key.

To	Press the
use the photo options	**Next** soft key or t key. For further details, see the following section.
return to Capture mode	**New Photo** soft key or **C** key.
return to Idle mode	key.

Using the Keypad in Capture Mode

You can use the following keys to customize your camera settings when you are in Capture mode.

Key	Function
0	changes from full screen view to panoramic
1	switches to Record mode. See page 116.

Key	Function
2	changes the image size.
4	switches to Multi shot mode.
5	changes the color tone or applies a special effect to the photo.
7	selects the decorated frame.
8	sets the timer.
9	switches to the **My Photos** menu (**Menu 8.3**).
Up/Down	zooms in or out.
Left/Right	adjusts the image brightness.
▲/ ▼ (side of phone)	flips the image vertically or horizontally.

Using the camera options in Capture mode

In Capture mode, you can use various options by pressing the left soft key.

The following options are available:

Mode: allows you to take a photo in various modes. Once you change the mode, its indicator appears at the top left or center of the display.

Normal shot: allows you take a photo in the normal mode.

Multi shot: allows you to take a series of action stills. Select the number of photos the camera will take. When you press the Camera key or key, the camera takes photos successively.

After taking photos, press the **Save all** soft key to save all of them or the **Select** soft key to select the photo(s) you want to save and then press the **Save** soft key or key.

Matrix shot: allows you to take several stills and save them in one frame. It will be saved as one image consisting of the multiple stills taken.

Effects: allows you to change the color tone or apply special effects to the photo.

Frames: allows you to use a decorated frame. Select a frame from the list using the Navigation keys.

Timer: allows you to set a time delay before the camera takes a photo. Select the length of delay you want.

Settings: allows you to change the default settings for taking a photo.

Size: allows you to select an image size.

Shutter sound: allows you to select a sound when you press the shutter, the Camera key or key.

Default name: allows you to change the default prefix of the photo name.

Go to My Photos: allows you to view the photos you have taken. They are stored in the **My Photos** menu (**Menu 8.3**).

Go to My Videos: allows you to view the videos you have taken. They are stored in the **My Videos** (**Menu 8.4**).

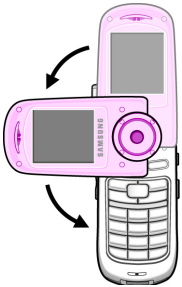
Help: shows you the functions of the keys you can use.

Using the camera with the phone reversed

Your phone's screen can be reversed. When the phone is reversed, you can take photos using the Camera ( ) key on the right side of the phone.

To take a photo with the phone reversed:

1. Rotate the phone as shown.



You can then open the phone to take a photo of yourself.

2. To turn the camera on, press and hold the camera ( ) key on the right side of the phone.

   The image to be captured appears on the display.

3. Adjust the image by aiming the camera at the subject.

   Press the Volume keys to flip the image vertically or horizontally.

4. Press the Camera ( ) key on the right side of the phone.

Record and Send

You can record a video that is currently displayed on the camera screen and save it as an MPEG file.

1. When the camera turns on, adjust the image by aiming the camera at the subject.

   When you press the left soft key, you can use the camera options. See page 113.

   You can change the image settings or switch to other modes by using the keypad. For details, see page 112.

2. Press the Camera key or key to start recording.

3. When you are finished, press the Camera key or key.

The phone automatically stops when the recording time expires.

4. Press the **Save** soft key or key.

   To discard the photo and return to Record mode, press the **Discard** soft key.

To	Press the
use the photo options	**Next** soft key. For further details, see below.
return to Record mode	**New video** soft key or **C** key.
return to Idle mode	key.

Using the keypad in Record mode

You can use the following keys to customize your camera settings when you are in Record mode.

key	Function
1	switches to Capture mode.
2	changes the video size.
4	switches between MMS mode and Save only mode.
5	changes the color tone or applies a special effect to the video.
7	selects whether or not you record audio with a video.
8	sets the timer.
9	switches to the **My Videos** menu (**Menu 8.4**).
Up/Down	zooms in or out.
Left/Right	adjusts the image brightness.

key	Function
▲/ ▼	flips the image vertically or horizontally

Using the camera options in Record mode

When you press the left soft key in Record mode, you can access the following options for recording a video:

Mode: the following options are available:

MMS: allows you to record a video for adding to an MMS message. The video file is recorded in MMS mode by default.

Save only: allows you to record a video within the limit of the current available memory. How long your video can be depends on how much memory has been used.

Effects: allows you to change the color tone or apply special effects to the video.

Timer: allows you to set a time delay before the camera starts recording the video. Select the length of delay you want.

Settings: allows you to change the default settings for recording a video.

Size: allows you to select an image size.

Audio: allows you to record audio with a video.

Default name: allows you to change the default prefix of the video name.

Go to My Photos: switches to the **My Photos** menu (**Menu 8.3**).

Go to My Videos: switches to the **My Videos** menu (**Menu 8.4**).

Help: shows you the functions of the keys you can use.

My Photos

This menu allows you to review your photos. When you access this menu, your phone displays them in Thumbnail mode, which shows photos as small images. Scroll through the photos by pressing the Navigation keys. To view the photos on the full screen, press the **View** soft key or key. To go back to thumbnail mode, press the soft key.

Press the **Options** soft key or key to access the following options:

Send: allows you to send the photo to other people using a multimedia message. For further details, see 90.

View mode: allows you to change the view mode to **List** or **Thumbnail**.

Copy to MMC: allows you to copy the photo to a memory card.

Set as wallpaper: allows you to set the image as your wallpaper for the idle screen.

Set as photo caller ID: allows you to set the image as a caller ID image for a Phonebook entry.

Rename: allows you to change the name of the photo.

Delete: allows you to delete the photo.

Protection: allows you to protect the photo from being deleted.

Properties: shows the properties of the photo, such as the file name, file size, the time and date it was saved, resolution, and protection status.

Take photos: switches to Capture mode.

Take videos: switches to Record mode.

My Videos

When you access this menu, the thumbnail images of the videos display.

To play a video:

1. Scroll to the video you want to view using the Navigation keys.
2. Press the key to start playing the video.

   You can also press the **View** soft key and press the key.

To	Press the
pause and resume	key.
stop	right soft key.
search backwards through a file	Left key.
search forwards through a file	Right key.
mute sound	left soft key.
adjust the volume	Volume keys.
return to Idle mode	key.

When you press the **Options** soft key on the video list, you can access the following options:

Send: allows you to send the video to other people as part of a multimedia message. For further details, see page 86.

View mode: allows you to change the view mode to **List** or **Thumbnail**.

Copy to MMC: allows you to copy the video to a memory card.

Set as wallpaper: allows you to set the image as your wallpaper for the idle screen.

Rename: allows you to change the file name.

Delete: allows you to delete the current video file.

Protection: allows you to protect the video from being deleted.
Properties: show the properties of the video file, such as the file name, size, the time and date it was saved, resolution, and protection status.

Take photos: switches to Capture mode.

Take videos: switches to Record mode.

My Album

This menu provides the ability for you to store your photos using the t-zone browser.

When a photo is taken and you have selected the **Save** soft key; you are prompted with the option to select **Next** or **New photo**. Use the following procedures to send a photo to your album:

1. Select **Next** to go to the **Photo Options** Menu.
2. Select the **Send** or key.
3. Select **Send to My Album**. The Picture Messages screen is displayed and your photo is stored in the Picture Outbox and sent to your album.

My Journal

This menu provides the ability for you to store your photos using the t-zone browser.

When a photo is taken and you have selected the **Save** soft key; you are prompted with the option to select **Next** or **New photo**. Use the following procedures to send a photo to your journal:

1. Select **Next** to go to the **Photo Options** Menu.
2. Select the **Send** or key.

3. Select **Send to My Journal**. The Picture Messages screen is displayed and your photo is sent to your journal and is also stored in the Picture Outbox.

Delete all

This menu allows you to delete photos or videos separately. You can also delete all of them at one time.

To	Press the
select an item to clear	Up or Down key. To delete all of contents, select **All**.
place or remove a check mark	key.

1. Press the **Delete** soft key to delete the marked items.
2. When a confirmation message displays, press the **Yes** soft key to confirm.
3. When the phone asks for confirmation again, press the **Yes** soft key.

Memory status

The display shows Total, Free, and Used memory for Photos, Videos, and MP3s, collectively. Press the **Next** soft key to view memory space in use for Photos and for Videos and for MP3s, individually. At the bottom of the screen is a sliding scale that shows the amount of memory used and available for these features, collectively.

Select memory location

You can change the default memory location to store photos and videos.

Select either **Phone** or **MMC** (memory card).

Settings

In this menu, you can customize your phone's various settings, such as:

- time and date
- phone settings
- display settings
- sound settings
- network services
- security

Time & Date

This menu allows you to change the current time and date displayed. You can also find out what time it is in another part of the world.

Set time

This menu allows you to enter the current time. You can choose the time format in the **Time format** menu (**Menu 9.1.4**).

Note: Before setting the time, you must specify your time zone in the **World time** menu (**Menu 9.1.3**). See the following page.

Set date

This menu allows you to enter the month, day, and year.

World time

This menu allows you to find out what time it is in another part of the world.

The screen shows the:

- city name.
- time difference between the selected city and your city if you have set your local time (see below for further details).
- current date and time.

To select your time zone:

1. Select the city corresponding to your time zone by pressing the Left or Right key one or more times.

   The local time and date display.

2. Press the **Set** soft key or ✆ key.

Time format

This menu allows you to change the time format to **12 hours** or **24 hours**.

Auto update

This menu allows you to receive time information from your service provider's network.

Off: you need to manually set the time and date according to the current time zone using the **Set time** menu (**Menu 9.1.2**).

On: the phone automatically updates the time and date according to the current time zone using the network service.

Confirm first: the phone asks for a confirmation before the update.

Note: Automatic updates of time and date does not change the time you have set for alarm settings or calendar memos.

Phone settings

Many different features of your phone can be customized to suit your preferences. All of these features are accessed in the **Phone settings** menu.

Language

You can select a display language. When the language option is set to **Automatic**, the language is automatically selected according to the language of the SIM card used.

Note: Depending on your country, service provider, or the software version of the phone, the **Automatic** option may not display.

Greeting message

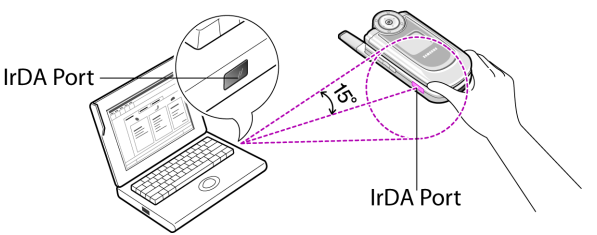
This menu allows you to set a greeting to be displayed briefly when the phone is switched on.

For further details about how to enter characters, see page 37.

Infrared activate

This feature allows you to send or receive data through the infrared port. To use an infrared connection, you must:

- configure and activate an IrDA-compliant infrared port on your PC.
- activate the infrared feature on the phone; the IrDA icon ( ) appears on the top line of the display.
- align the IrDA port on the phone with the IrDA port on your computer.



The connection is ready for data transmission.

If there is no communication between your phone and the IrDA-compliant device within 30 seconds of activating the feature, it is automatically deactivated.

Note: For optimal performance, use the data link cable supplied with your phone.

Short cut

The Navigation keys can be used as shortcut keys. In Idle mode, they allow you to access specific menus directly.

To assign a shortcut to a key:

1. Select the key to be used as a shortcut key by pressing the Up or Down key and press the **Select** soft key or key.
2. Select the menu to be assigned by pressing the Up or Down key.

   Note: To deactivate a shortcut key, select the **None** option.
3. Press the **Select** soft key or key to save the selection.

Extra settings

You can turn the automatic redialing or answering features on or off.

To turn a feature	Press the
on	**Mark** soft key or key. A check mark displays in front of the option.
off	**Unmark** soft key or key. The check mark no longer displays.

The following options are available:

Auto redial: when this option is checked, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.

Note: The interval between attempts varies.

Active folder: when this option is checked, you can simply open the phone to answer a call.

When it is unchecked, you must open the phone and press a key to answer a call, depending on the setting of the **Anykey answer** option. See below.

Anykey answer: when this option is checked, you can answer an incoming call by pressing any key, except the key or the **Reject** soft key. To reject the call, press the key or the **Reject** soft key.

When this option is unchecked, you must press the key or **Accept** soft key to answer a call.

Display settings

In this menu, you can change various settings for the display or the backlight.

Main LCD

This menu allows you to change the background image or change the settings for the display in Idle mode.

The following options are available:

Wallpaper list: you can select a background image to be displayed on the idle screen.

To change the background image:

1. Scroll through the list by pressing the Up or Down key.

   You have various preset images available. You can also select a background from images downloaded from the WAP browser and optional EasyStudio program, or received in messages. Once you have set a photo as the wallpaper, it is designated as **My photo** on this list.

2. Press the **Select** soft key or key when the image you want highlights.

3. When the image displays, press the **Select** soft key or the key display it on the idle screen.

Text color: you can select the color of the text to be displayed on the idle screen.

Sub LCD

This menu allows you to select a type for the clock to be displayed on the external display.

Menu style

This menu allows you to select the menu display style. You can choose either **Grid style**, **Bar style**, or **Page style**.

Brightness

You can adjust the brightness of the display to see it better in different lighting conditions.

Press the Up or Down key or press the Volume keys to adjust the brightness.

Back Light

You can select the length of time the backlight is on. The backlight turns on when you press a key, when you open the phone or when you receive a call or message, and remains on for the specified length of time.

Service Light

This menu allows you to select whether or not the service light is used.

Off: the phone does not use the service light.

On: the phone uses the service light.

Graphic Logo

This menu allows you to display your service provider's logo instead of its name.

Off: the service provider's name displays in Idle mode.

On: the service provider's logo stored in your phone displays in Idle mode; if no logo has been stored, the service provider's name displays.

Sound Settings

You can customize various sound settings.

Ring Tone

This menu allows you to select a ring melody.

You can choose between many different melodies. If you have downloaded sounds from the WAP browser or the optional EasyGPRS programme, you can access them in this menu.

Ring Volume

This menu allows you to adjust the ring volume to 1 of 5 levels.

Press the Up and Down keys or the Volume keys on the left side of the phone to increase or decrease the volume.

Alert Type

This menu allows you to specify how you are to be informed of incoming calls.

The following options are available:

Light only: the service light flashes; the phone neither rings nor vibrates.

Melody: the phone rings using the selected ring tone or alarm melody.

Vibration: the phone vibrates but does not ring.

Vibra+Melody: the phone first vibrates three times and then starts ringing.

Keypad tone

This menu allows you to select the tone that the phone sounds when you press a key.

To turn off the sound, select **Off**.

Message Tone

This menu allows you to set up the ringer for incoming text messages, and multimedia messages.

For each message type, the following options are available:

Tone: allows you to use one of several message tones.

Mode: allows you to specify how you are informed of any incoming messages.

Off: only the text notification appears; the phone neither rings nor vibrates.

Tone: the phone rings using the tone selected under the Tone option. See above.

Vibration: the phone vibrates.

Light only: the service light flashes.

Repetition: allows you to specify how often the phone informs you of a new message. You can choose either Once or Periodic.

Folder tone

This menu allows you to select the tone that the phone sounds when you open or close the phone.

To turn off the sound, select **Off**.

Power on/off

This menu allows you to select the melody that the phone sounds when it is switched on or off.

To turn off the sound, select **Off**.

Alerts on call

This menu allows you to choose whether or not the phone informs you when you receive a new message or when the time for an alarm comes during a call.

The following options are available:

Off: the phone doesn't actively alert you to incoming messages or alarms. It only displays the corresponding notification.

On: the phone alerts you with a beep and displays the corresponding notification.

Extra tones

You can customize additional tones for the phone.

To turn a given tone	Press the
on	**Mark** soft key or key. A check mark displays in front of the option.
off	**Unmark** soft key or key. The check mark no longer displays.

The following options are available:

Error tone: sets whether or not the phone informs you when a mistake is made.

Minute minder: sets whether or not the phone beeps every minute during an outgoing call to keep you informed of the length of your call.

Connect tone: sets whether or not your phone beeps when your call is connected to the system.

Network services

These menu functions are network services. Please contact your service provider to check their availability and then subscribe to them, if you wish.

Call forward

This network service enables incoming calls to be rerouted to a number that you specify.

Example: You may wish to forward your business calls to a colleague while you are on holiday.

To set your call forwarding options:

1. Select a call forwarding option by pressing the Up or Down key, and then press the **Selec**t soft key or key.

The following options are available:

Forward always: all calls are forwarded.

Busy: calls are forwarded when you are already on another call.

No reply: calls are forwarded when you do not answer the phone.

Unreachable: calls are forwarded when you are not in an area covered by your service provider or when your phone is switched off.

Cancel all: all call forwarding options are canceled.

2. Select the type of calls, voice or data, by pressing the Up or Down key, and then press the **Select** soft key or key.

The current status displays. If the option has already been set, the number to which the calls are forwarded displays.

To	**Press the**
activate call forwarding	**Activate** soft key. Go to step 4.

To	Press the
change the number to be called	**Change** soft key. Go to step 4.
deactivate call forwarding	**Remove** soft key.

3. Enter the number to which the calls are to be forwarded and press the **OK** soft key or key.

   To enter an international code, press the **0** key until the **+** sign displays.

   The phone sends your settings to the network and the network's acknowledgement displays.

4. When you select **No reply** in step 1, select the length of time the network waits for before forwarding a call.

Call waiting

This network service informs you when someone is trying to reach you during another call.

You can specify individual call waiting options for voice calls and/or data calls.

To set your call waiting options:

1. Select the type of calls, voice or data, to which you want to apply the call waiting option by pressing the Up or Down key, and then press the **Select** soft key or key.

   The screen informs you whether call waiting is activated or deactivated.

2. You can activate or deactivate the call waiting feature as necessary by using the **Activate** or **Deactivate** soft key respectively.

   To return to the previous screen, press the **Exit** soft key.

You can also deactivate all call waiting settings by selecting the **Cancel all** option.

Network selection

This Network Selection feature enables you to directly change the network you want. You can also automatically or manually select the network used when roaming outside of your home area.

Note: You can select a network other than your home network only if there is a valid roaming agreement between them.

To change a network:

1. Select **Search now** and press the **OK** soft key or key.

   The phone search for available networks.

2. Press the Up or Down key until the network you want highlights and then press the **OK** soft key or key.

   The phone will scan for that network and you will be connected.

To automatically or manually select the network to be used when roaming:

1. Press the Up or Down key until the appropriate option highlights and then press the **OK** soft key or key.

   If you select **Automatic**, you are connected to the first available network when roaming.

   If you select **Manual**, go to step 2.

2. Press the Up or Down key until the network you want highlights and then press the **OK** soft key or key.

   The phone will scan for that network and you will be connected.

Caller ID

You can prevent your phone number from being displayed on the phone of the person being called.

Note: Some networks do not allow the user to change this setting.

The following options are available:

Default: the default setting provided by the network is used.

Hide number: your number does not display on the other person's phone.

Send number: your number is sent each time you make a call.

Band Selection

For the phone to make and receive phone calls, it must register with an available network. Your phone can handle any of the following types of networks:

- Combined GSM 900/1800
- GSM 1900

The country where you purchased your phone determines the default band that it uses. When you travel abroad, you must remember to change to an appropriate band.

1. Press the Up or Down key until the appropriate option highlights and press the **OK** soft key or key.
2. When the display confirms the network band you selected, press the **Yes** soft key or key.

   To cancel the selection, press the **No** soft key.

When you select a new band, your phone displays a confirmation message and then automatically searches for all available networks. Your phone registers with a preferred network within the band.

Security

The Security feature enables you to restrict the use of your phone by others and to restrict the types of calls made.

Various codes and passwords are used to protect the features of your phone. They are described in the following sections. Also see pages 145-147.

PIN Check

When the PIN Check feature is enabled, you must enter your PIN each time you switch on the phone. Consequently, any person who does not have your PIN cannot use your phone without your approval.

Note: Before disabling the PIN Check feature, you must enter your PIN.

The following options are available:

Disable: the phone connects directly to the network when you switch it on.

Enable: you must enter the PIN each time the phone is switched on.

Change PIN

This feature allows you to change your current PIN to a new one, provided that the PIN check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

Phone Lock

When the Phone Lock feature is enabled, the phone is locked and you must enter 4 to 8-digit phone password each time the phone is switched on.

The password is preset to "00000000" at the factory. To change the phone password, see the **Change password** menu (**Menu 9.6.4**).

Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available:

Disable: you are not asked to enter the phone password when you switch on the phone.

Enable: you are required to enter the phone password when you switch on the phone.

Change Password

The Change Password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

The password is preset to "00000000" at the factory. Once you have entered a new password, you are asked to confirm it by entering it again.

Privacy

Using this menu, you can lock your media contents, such as multimedia messages, photos, videos, voice memos, images, and sounds. Once you have locked the contents, you must enter the phone's password to access the associated menus.

To	Press the
select an item to lock	Up or Down key. To lock all of the contents, select **All**.
place or remove a check mark	key.

1. Press the **OK** soft key to lock the marked items.
2. When the phone asks for the password, enter the password and press the **OK** soft key or key.

Note: The password is preset to "00000000" at the factory. To change this password, see page 139.

FDN Mode

FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available:

Disable: you can call any number.

Enable: you can only call phone numbers stored in Phonebook. You must enter your PIN2.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display.

Change PIN2

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one.

Once you have entered a new PIN2, you are asked to confirm it by entering it again.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display.

Reset Settings

You can easily reset your phone to its default settings.

Enter the 4- to 8-digit phone password and press the **OK** soft key or key.

Note: The password is preset to "00000000" at the factory. To change this password, see page 139.

Solving problems

If you are experiencing problems with your phone, perform the following simple checks, before contacting a service professional. This may save you the time and expense of an unnecessary service call.

When you switch your phone on, the following messages may appear:

Insert SIM card

Check that the SIM card is correctly installed.

Phone locked enter password

The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

Enter PIN

You are using your phone for the first time. You must enter the Personal Identification Number (PIN) supplied with the SIM card.

The PIN Check feature is enabled. Every time the phone is switched on, the PIN has to be entered. To disable this feature, use the **PIN check** menu.

Enter PUK

The PIN code was entered incorrectly three times in succession and the phone is now blocked. Enter the PUK supplied by your service provider.

"No Service," "Network Failure" or "Not Done" displays

The network connection was lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Move and try again.

You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialed

Have you pressed the key?
Are you accessing the right cellular network?

Your correspondent cannot reach you

Is your phone switched on (the key pressed for more than one second)?
Are you accessing the right cellular network?

Your correspondent cannot hear you speaking

Have you switched off the microphone?
Are you holding the phone close enough to your mouth? The microphone is located at the bottom of the phone.

The phone starts beeping and "**Warning** Low Battery" flashes on the display

Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

Check the signal strength indicator on the display; the number of bars indicates the signal strength from strong to weak.
Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialed when you recall a Phonebook entry

Check that the number has been stored correctly, by using the Phonebook Search feature.
Re-store the number, if necessary.

If the above guidelines do not help you to solve the problem, take note of:

- the model and serial numbers of your phone
- your warranty details
- a clear description of the problem

Then contact your local dealer or Samsung after-sales service.

Access codes

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorized use.

When requested for any of the codes explained below, enter the appropriate code (displayed as asterisks) and press the **OK** soft key or key. If you make a mistake, press the **C** key one or more times until the incorrect digit is cleared and then continue entering the correct code.

The access codes, except for the PUK and PUK2 codes, can be changed using the **Security** menu (**Menu 9.6**). See page 137 for further details.

Important! Avoid using access codes resembling emergency numbers, such as 112, so that you do not accidentally dial an emergency number.

Phone Password

The Phone Lock feature uses the phone password to protect your phone against unauthorized use. The phone password is supplied with the phone and is preset to "00000000" at the factory.

To	See
activate/deactivate the Phone Lock feature	page 138 (**Menu 9.6.3**).
change the phone password	page 139 (**Menu 9.6.4**).

PIN

The **P**ersonal **I**dentification **N**umber or PIN (4 to 8 digits) protects your SIM card against unauthorized use. It is usually supplied with the SIM card.

If you enter an incorrect PIN three times in succession, the code is disabled and cannot be used until you re-enable it by entering the PUK (see below).

To	See
activate/deactivate the PIN Check feature	page 138 (**Menu 9.6.1**).
change the PIN	page 138 (**Menu 9.6.2**).

PUK

The 8-digit PUK (**P**IN **U**nblocking **K**ey) is required to change a disabled PIN. The PUK may be supplied with the SIM card. If not, or if you have lost it, contact your service provider.

To re-enable your PIN:

1. Enter the PUK and press the **OK** soft key or key.
2. Enter a new PIN of your choice and press the **OK** soft key or key.
3. When the **Confirm New PIN** message displays, enter the same code again and press the **OK** soft key or key.

If you enter an incorrect PUK ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

PIN2

The PIN2 (4 to 8 digits), supplied with some SIM cards, is required to access specific functions, such as setting the maximum cost of a call. These functions are available if supported by your SIM card.

If you enter an incorrect PIN2 three times in succession, the code is disabled and you cannot access the functions until you re-enable it by entering the PUK2.

To change the PIN2, see page 140.

PUK2

The 8-digit PUK2 (**P**IN **U**nblocking **K**ey **2**), supplied with some SIM cards, is required to change a disabled PIN2. If you lose the code, contact your service provider.

To re-enable your PIN2:

1. Enter the PUK2 and press the **OK** soft key or key.
2. Enter a new PIN2 of your choice and press the **OK** soft key or key.
3. When the **Confirm PIN2** message displays, enter the same code again and press the **OK** soft key or key.

If you enter an incorrect PUK2 ten times in succession, you will not be able to access the functions requiring the PIN2. Contact your service provider for a new card.

Health and safety information

Exposure to radio frequency (RF) signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards that were developed by independent scientific organizations through periodic and through evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit recommended by the FCC is 1.6W/kg.*

*. In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID printed in the label on the phone.

FCC certification information for this model phone is attached separation paper.

For body operation

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung-supplied or approved accessory designated for this product or when used with and accessory that contains no metal and that positions the handset a minimum from the body.

The minimum distance for this model phone is written in the FCC certification information from the body. None compliance with the above conditions may violate FCC RF exposure guidelines.

For more Information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)
http://www.fcc.gov

Cellular Telecommunications Industry Association (CTIA):
http://www.wow-com.com

U.S.Food and Drug Administration (FDA)
http://www.fda.gov/cdrh/consumer

World Health Organization (WHO)
http://www.who.int/peh-emf/en

Precautions when using batteries

Never use any charger or battery that is damaged in any way.

Use the battery only for its intended purpose.

If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.

Battery charging time depends on the remaining battery charge, the type of battery and the charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

If left unused, a fully charged battery will discharge itself over time.

Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.

Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.

Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Road safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense, follow local regulations and remember the following tips:

Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today. However, in the event your Product contains or can accommodate the use of a dual earbud accessory, please note a dual earbud should never be used while operating a vehicle. Remember that local law may

prohibit driving with such devices and may require hands-free usage.

Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

Do not take notes or look up phone numbers while driving. Jotting down a To Do list or flipping through your phonebook takes your attention away from your primary responsibility, driving safely.

Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

Do not engage in stressful or emotional conversations that may be distracting. Make the people with whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.

Use your wireless phone to call for help. Dial the emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!

Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.

If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or any other special non-emergency wireless number.

Operating environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.

should not carry the phone in a breast pocket.

should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other medical devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially explosive environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include the areas below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.

2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

3. Press the key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Other important safety information

Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch your phone off before boarding an aircraft. The use of wireless phones in aircraft is illegal and may be dangerous to the aircraft's operation.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep the phone and all its parts and accessories out of the reach of small children's.

Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.

Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.

Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.

Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.

Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.

Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.

Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.

If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Acknowledging special precautions and the FCC and industry Canada notice

Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance information

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received.

Including interference that may cause undesired operation.

Information to user

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/ TV technician for help.

Appendix A: CERTIFICATION INFORMATION (SAR)

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on safety standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg. SAR Tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations(e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR values of this model phone as reported to FCC are Head: 0.397W/kg, Body: 0.451W/kg in 1900.

Body-worn operations are restricted to Samsung-supplied, approved or none Samsung designated accessories that have no metal and must provide at least 1.5cm separation between the device, including its antenna whether extended or retracted, and the user's body. None compliance to the above restrictions may violate FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID A3LSGHP735.

In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a substantial ma gin of safety to give additional protection for the public and to account for any variations in measurements.

Appendix B: Guide to safe and responsible wireless phone use

Cellular Telecommunications & Internet Association

"Safety is the most important call you will ever make."

A guide to safe and responsible wireless phone use

TENS OF MILLIONS OF PEOPLE IN THE U.S. TODAY TAKE ADVANTAGE OF THE UNIQUE COMBINATION OF CONVENIENCE, SAFETY AND VALUE DELIVERED BY THE WIRELESS TELEPHONE. QUITE SIMPLY, THE WIRELESS PHONE GIVES PEOPLE THE POWERFUL ABILITY TO COMMUNICATE BY VOICE-ALMOST ANYWHERE, ANYTIME-WITH THE BOSS, WITH A CLIENT, WITH THE KIDS, WITH EMERGENCY PERSONNEL OR EVEN WITH THE POLICE. EACH YEAR, AMERICANS MAKE BILLIONS OF CALLS FROM THEIR WIRELESS PHONES, AND THE NUMBERS ARE RAPIDLY GROWING.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense-keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seat belts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need. When it comes to the use of wireless phones, safety is your most important call.

Wireless phone "Safety Tips"

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you. However, in the event your Product contains or can accommodate the use of a dual earbud accessory, please note a dual earbud should never be used while operating a vehicle. Remember that local law may prohibit driving with such devices and may require hands-free usage.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list while driving a car, you are not watching where you are

going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip-dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix-they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations-with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless non emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted educational outreach to

inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

"The wireless industry reminds you to use your phone safely when driving."

Cellular Telecommunications & Internet Association For more information, please call 1-888-901-SAFE.
For updates: http://www.wow-com.com/consumer/issues/driving/articles.cfm?ID =85

Appendix C: Consumer update on wireless phones

U.S. Food and Drug Administration

1. What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called cell, mobile, or PCS phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

2. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty

in reproducing those studies, or in determining the reasons for inconsistent results.

3. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

Support needed research into possible biological effects of RF of the type emitted by wireless phones;

Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

National Institute for Occupational Safety and Health

Environmental Protection Agency Federal Communications Commission

Occupational Safety and Health Administration

National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that

are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

4. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

5. What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

6. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children

was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

7. Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

8. Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

9. What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

10. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer causing chemicals so as to be pre-disposed to develop

cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don t know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, gioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

11. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

12. Which other federal agencies have responsibilities related to potential RF health effects?

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations.

FCC RF Safety Program:
http://www.fcc.gov/oet/rfsafety/

Environmental Protection Agency (EPA):
http://www.epa.gov/radiation/

Occupational Safety and Health Administration's (OSHA):
http://www.osha-slc.gov/SLTC/radiofrequencyradiation/index.html

National Institute for Occupational Safety and Health (NIOSH):
http://www.cdc.gov/niosh/emfpg.html

World health Organization (WHO):
http://www.who.int/peh-emf/

International Commission on Non-Ionizing Radiation Protection:
http://www.icnirp.de

National Radiation Protection Board (UK):
http://www.nrpb.org.uk

Updated 4/3/2002: US Food and Drug Administration http://www.fda.gov/cellphones

STANDARD LIMITED WARRANTY

What is Covered and For How Long? SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. (SAMSUNG) warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;

WARRANTIES OF TITLE OR NON-INFRINGEMENT;

DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;

THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR

COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR

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THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH

THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

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Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the features of your mobile phone, here are a few definitions:

Active folder

Ability to answer a call simply by opening the phone.

Call forwarding

Ability to reroute calls to another number.

Call holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

Call waiting

Informs you that you have an incoming call when you are engaged on another call.

Caller line identification services (Caller ID)

Services allowing subscribers to view or block the telephone numbers of callers.

EMS (Enhanced Message Service)

An adaptation of the Short Message Service (SMS) that allows you to send and receive ring tones and service provider's logo, as well as combinations of simple media to and from EMS-compliant handsets. Because EMS is based on SMS, it can use SMS centers the same way that SMS does. EMS works on all Global System for Mobile communications (GSM) networks. EMS senders can use text, melodies, pictures, sounds, and animations to enhance the expressive power of messages that are limited by the display constraints of mobile devices.

GPRS (General Packet Radio Service)

New non-voice value-added service that allows information to be sent and received across a mobile telephone network. GPRS provides continuous connection to the Internet for mobile phone and computer users. It is based on the Global System for Mobile Communication (GSM) circuit-switched cellular phone connections and the Short Message Service (SMS).

GSM (Global System for Mobile Communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

Java

Programming language generating applications that can run on all hardware platforms, whether small, medium or large, without modification. It has been promoted for and geared heavily to the Web, both for public Web sites and Intranets. When a Java program runs from a Web page, it is called a *Java applet*. When it is run on a mobile phone or pager, it is called a MIDlet.

MMS (Multimedia Message Service)

A message service for the mobile environment, standardized by the WAP Forum and the 3rd Generation Partnership Program (3GPP). For phone users, MMS is similar to Short Message Service (SMS)-it provides automatic, immediate delivery of user-created content from phone to phone. The message addressing used is primarily phone numbers, thus the traffic goes from phone to phone. MMS also provides support for e-mail addressing, so that messages can be sent by e-mail. In addition to the text content of SMS, MMS messages can contain still images, voice or audio clips, and also video clips and presentation information.

Multi-party calling

Ability to establish a conference call involving up to five additional parties.

Phone password

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

PIN (Personal Identification Number)

Security code that protects the phone against unauthorized use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

Proxy server

A proxy server resides between a Web client, such as a web browser, and a real Web server and acts as an intermediary between them. When some people browse a web site, their browser is not actually connecting to the web server. The request from their browser goes to a proxy server, and the proxy server makes the request to the web server. A proxy server can improve performance for groups of users because it cache the results of all requests for a certain amount of time. If a user requests a web page that it already loaded for another user, it reloads the page instead of forwarding the request to the Web server, which can be a time-consuming operation.

PUK (PIN Unblocking Key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.

Roaming

Use of your phone when you are outside your home area (when traveling for example).

SIM (Subscriber Identification Module)

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service)

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received can be displayed, received, edited or sent.

Soft keys

Two keys marked and on the phone, the purpose of which:

varies according to the function that you are currently using.

is indicated on the bottom line of the display just above the corresponding key.

TRI-BAND

Ability to handle any of the following types of network; GSM 900, GSM 1800, combined GSM 900/ 1800 and GSM 1900 MHz bands, for greater call success and wider roaming.

Your phone automatically searches for the last network used. If, for any reason, this network is unavailable, your phone will attempt to register with a different network.

Voice mail

Computerized answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

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SGH-P735 GPRSTelephone Quick reference card

Access the menu functions	① Press the **Menu** soft key. ② Scroll using the Navigation keys through the list of the menus until you reach the menu you want. ③ Press the **Select** soft key. ④ Scroll using the Up and Down keys through the list of the options until the one you want is selected. ⑤ Press the **Select** soft key.

Each of the two soft keys (and) perform the function indicated by the text above it, on the bottom line of the display.

Switch on/off	Press and hold the key.
Make a call	① Enter the number. ② Press the key.
End a call	Briefly press the key.
View missed calls immediately after missing them	① Open the phone and press the **View** soft key. ② Scroll using the Up and Down keys through the missed calls. ③ To return the call, press the key.
Answer a call	Open the phone or Press the key.
Adjust the volume	Press the ▲ or ▼ key on the left side of the phone.

Choose the alert type	① Select the **Alert type** menu (**Menu 9.4.3**). ② Select an option. ③Press the **Select** soft key.
Store numbers Phonebook	① Enter the number and press the **Save** soft key. ② Select a category. ③ Press the **Select** soft key. ④ Select a memory. ⑤ Press the **Select** soft key. ⑥ Enter the name. ⑦ Press the **OK** soft key. ⑧ Press the key to return to Idle mode.
Search for a number in Phonebook	① Press the **Ph.Book** soft key. ② Select the **Search** option. ③ Enter the first few letters of the name. ④ To scroll through the names, press the Up or Down key.
Search for a number in Phonebook (continued)	⑤ Press the **View** soft key. ⑥ To scroll through the numbers, press the Up or Down key. ⑦ Press the key to dial.
Take a photo	• With the phone open ① In Idle mode, press and hold the Camera key. ② Press the Camera key. ③ Press the **Save** soft key. • With the phone reversed ① Press and hold the Camera key. ② Press the Camera key.
Play the file(s) you want stored in the phone's memory	① Access the **MP3 player** menu (**Menu 3.1**). ② Press the Up key. ③ Select the file(s) you want to play. ④ Press the key. ⑤ Press the **Options** soft key. ⑥ Select the **Play** option and press the **Select** soft key.